

# MEMORANDUM

## DEPARTMENT OF ENVIRONMENTAL QUALITY


### DIVISION OF WATER PROGRAMS COORDINATION

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**SUBJECT:** Guidance Memorandum No. 00-2004  
Reimbursement Guidance Manual – 3<sup>rd</sup> Edition

**TO:** Regional Directors

**FROM:** Larry Lawson, P.E., Director 

**DATE:** February 8, 2000

**COPIES:** Regional Groundwater Managers, Regional and Central Office Task Group Members,  
Dave Paylor, Andy Hagelin, Fred Cunningham, Betty Lamp, Mary-Ellen Kendall

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Attached is the 3<sup>rd</sup> Edition of the Reimbursement Guidance Manual, Vols. I and II. This edition of the manual contains updated guidance found in the Reimbursement Guidance Manual that has been in effect since January 1, 1998. The latest revisions and additions are summarized in the attached cover letter. This 3<sup>rd</sup> Edition has an effective date of February 15, 2000, all staff should discontinue use of all earlier editions.

This manual provides procedural guidance to be followed by VPSTF claimants. This document is guidance which implements State Law and regulation. It establishes a norm but is not finally determinative of the issues addressed. The Reconsideration Panel will make the Final Agency decisions in any particular case by applying State Water Control Law and implementation regulations on the basis of the site-specific facts.

The first edition of this guidance manual was developed with Regional and Central Office staff input. Each subsequent edition has been reviewed and through the Task Group, comments were solicited from all Regional and Central Office tank program staff. With each edition, the Tasks and Material Items list have been expanded and efforts made to refine guidance where clarification was needed.

The DEQ web page will be updated to include this latest edition of the manual.

The Central Office staff will continue to provide support for the Reimbursement Guidance Manual to claimants and Regional staff on an as-needed basis. Additionally, outreach sessions are planned later in this year in order to improve claimant's adherence to the guidance contained in this manual.



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

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February 8, 2000

Re: Reimbursement Guidance Manuals: Vols. I & II, 3<sup>rd</sup> Edition

Dear Copy Holder:

Enclosed is a copy of the Virginia Department of Environmental Quality (DEQ) Reimbursement Guidance Manual: Volumes I & II, 3<sup>rd</sup> Edition. This manual provides guidance and instructions to claimants seeking reimbursement from the Virginia Petroleum Storage Tank Fund. This, the 3<sup>rd</sup> Edition of the manual originally issued January 1, 1998, contains the most current guidance and forms. Users may make copies of this manual as needed or download and print additional copies from the download library found on the DEQ website at [www.deq.state.va.us](http://www.deq.state.va.us). From the DEQ website, the manual is available in *pdf* or MS Word 97 file formats. Both the *pdf* and Word 97 files for Volume I include all the necessary forms. The Word 97 document is formatted for duplex printing. If you don't have duplex printing capability, the manual may still be printed as formatted then duplex copied.

Listed below, is a summary of the changes found in the 3<sup>rd</sup> Edition:

### Volume I:

- p. 12, number 14, added utility service to the list of eligible items;
- p. 12, number 15, added fuels to power remediation systems to the list of eligible items;
- p. 12, added number 16, the cost for permits to the list of eligible items;
- p. 14, number 7, added mark-up of > 10% on subcontracted goods to the list of ineligible items;
- p. 14, number 17, enhanced the explanation for the eligibility of attorney's fees;
- p. 14, number 35, added cost of fuel for rolling stock to the list of ineligible items;
- pp. 23-24, added subsection 2.4.2 Coding Items on the AAF; this section has instructions on using "C" Codes (see Volume II, below);
- Appendix 1-2, added the definition for "rolling stock";
- Modified the "Proposed" and "Contingent" columns of the 198 AAF to facilitate correct authorization of T075 – T078 Soil Hauling, enhanced descriptions were also added to the "Task" column;
- Modified the "Proposed" and "Contingent" columns of the 1289 and 395 AAFs to facilitate correct authorization of T010 and T011 Soil Hauling;

## **Volume II**

- p. 1-2, added instruction for using T075 – T078 Soil Hauling;
- pp. 1-3 & 1-14, changed T100 from “Report Writing” to “Report Preparation”;
- pp. 1-18, 1-21, 1-24, added M Codes M1435 – M1440 Method 405.1 BOD for Standard, 48-Hour, and 24-Hour Turnaround;
- p. 1-27, added M1441 – M1445 2", 4", and 6" Oxygen Releasing Compound socks and canisters;
- p. 1-38, added M1446 – M1449, 4000 lb. and 8000 lb. outdoor/rough terrain forklifts, and;
- p. 1-41, added C1001 – C1008 Utility, Permit, and Fuel fees to the list of Material UCRs.

If you would like to request a hard copy of the manual, contact the Reimbursement Customer Service Line at (804) 698-4358. If you have questions please contact Steve Williams at (804) 698-4293 or Harmon Fisher at (804) 698-4292.

## Department of Environmental Quality - Virginia Petroleum Tank Storage Fund (VPTSF) Delayed Reimbursement Payment

*If you are cleaning up or financing the cleanup of a petroleum release site, you may be expecting reimbursement from the Department of Environmental Quality. If so, please be aware that the delay time for payments is expected to grow longer this year.*

### Frequently Asked Questions:

► I submitted a claim for reimbursement for my cleanup costs. Once my claim has been processed by the DEQ, how long before I receive my check?

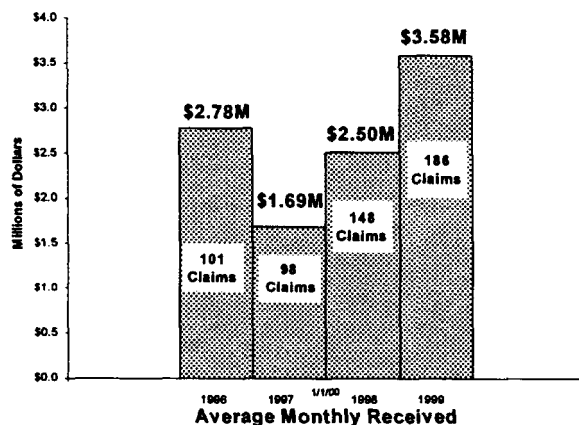
► DEQ will mail you a notice as soon as the processing of your claim is complete. At the same time, your claim is added to a list of pending payments, arranged in order of their completion. As monies become available, DEQ releases checks by the order on the list. However, because demand is currently so high, expect a payment delay of least 40 to 60 days. As the year progresses, the delay will likely increase to six months or more.

► Why is demand currently so high?

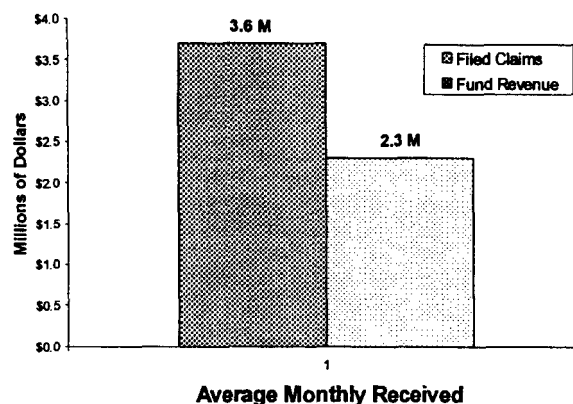
► The claims received have increased 43% from \$2.5 to \$3.6 million dollars requested per month, on average, this year. The change is largely due to temporary factors including:

- An increase in claims for old sites (those closed before 1998) because of the approaching deadline on their reimbursement eligibility.
- An increase in claims which include the cost of an entire cleanup rather than just one or two phases of the cleanup, resulting in a near doubling of dollars claimed.
- An increase in the number of claims being submitted for residential releases.
- An increase in claims related to regulated tank releases discovered near the December 1998 deadline for tank replacement.
- An increase in claims for complex sites on which cleanup was started some time ago but have only now reached the later, more expensive phases of cleanup.
- An increased public awareness of the possibility of reimbursement from the state.

Number of Claims Filed and Dollars Claimed



1999  
Amount Claimed vs. Fund Revenue



► When will payments from the fund catch up and return to normal?

► The amount and timing of future claim payments can be fairly accurately predicted for six months, but are hard to predict beyond eighteen months. Though we believe claims may decline in the future, we do not expect a decrease for six to nine months. In fact, our predictions call for an increase in claims in the short term. Consequently, we cannot at this time predict when normal claim payments will be resumed.

**THE VIRGINIA PETROLEUM STORAGE TANK FUND  
REIMBURSEMENT GUIDANCE MANUAL**

Volume I

Application Process



3rd Edition

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## INTRODUCTION

The purpose of this manual is to provide guidance to claimants in obtaining authorization for site activities, and preparing and submitting claims for reimbursement from the Virginia Petroleum Storage Tank Fund. This manual replaces the Guidance Manual for Reimbursement issued on March 1, 1995 and the Bidding Corrective Action Plan Implementation guidance document issued July 15, 1996. Specifically, this manual will identify activities which are eligible for reimbursement, provide guidance on determining reasonable costs, explain how to prepare a reimbursement application, and describe how an application is processed. This manual uses regulatory terms,  which are defined in Appendix 1. Throughout this manual, the  symbol is used to note sections with noteworthy information.

Revisions of this manual may be necessary due to statutory or regulatory changes, changes within the industry, or changes in the claim processing requirements of the program. As changes occur, periodic additions or supplements will be prepared for inclusion into the manual. This manual, future revisions, and all forms are available on the DEQ Web Site at <http://www.deq.state.va.us/envprog/tanks.html>. Refer to Section 1.7 of this manual to obtain copies of documents and assistance on the various aspects of the Petroleum Storage Tank Program.

This is not a regulatory document; it is a guidance manual intended to assist tank owners in making decisions when managing releases from tanks. The guidance provided in this manual is not intended to remove the element of competition or freedom of choice from the industry.

## 1.0 PETROLEUM STORAGE TANK REIMBURSEMENT FUND

### 1.1 PROGRAM SUMMARY

The Commonwealth of Virginia established the Virginia Petroleum Storage Tank Fund (Fund) with the passage of Articles 9, 10, and 11 of the State Water Control Law (Sections 62.1-44.34:8 to 23). Section 210 of the Petroleum Underground Storage Tank Financial Responsibility Requirements Regulation (9 VAC 25-590-10, et seq.) establishes the requirements for use of the Fund. The Fund may be used for the following purposes:

To provide reimbursement to eligible owners/operators for a portion of the potentially high costs of mitigating the public health and environmental risks from a petroleum storage tank release;

To provide a mechanism for regulated Underground Storage Tank (UST) owners/operators to demonstrate financial responsibility in order to meet Federal requirements; and

To provide reimbursement for costs incurred for third party bodily injury or property damage from confirmed regulated UST petroleum releases.

The Commonwealth of Virginia is responsible for administering the UST technical and financial responsibility regulatory programs, the Aboveground Storage Tank (AST) regulatory program and the Fund reimbursement program. The Fund is a non-lapsing, revolving fund, which is administered by the Department of Environmental Quality (DEQ). The primary revenue source for the Fund is a state fee of one-fifth of one cent per gallon on regulated petroleum products, including gasoline, aviation motor fuel, diesel fuel, dyed diesel fuel, kerosene, and heating oil sold in Virginia. This fee, which is collected by the Department of Motor Vehicles, is monitored and maintained at an appropriate operating level and is increased by the Commissioner of Motor Vehicles to three fifths of one cent when notified by the Comptroller that the Fund has been, or is likely to be, reduced below three million dollars. The moneys collected are primarily used to reimburse responsible persons for the reasonable and necessary costs incurred in cleaning up a petroleum release from a petroleum storage tank.

Depending upon the type of petroleum storage tank, owners/operators may request access to the Fund either for cleanup costs only or for both cleanup and third party costs. The owner/operator is eligible to request reimbursement from the Fund for costs that exceed their Financial Responsibility Requirement (for cleanup and, if applicable, third party) up to a maximum of \$1 million per occurrence. Section 1.2.3 of this manual summarizes corrective action and third party Fund eligibility for the different storage tank types.

It is important to understand that the Fund is a reimbursement program and NOT a repayment program. The Fund does not reimburse owners/operators for all costs associated with a cleanup. For example, tank removal costs are not reimbursable unless authorized by DEQ as part of a Corrective Action Plan. For a list of additional ineligible costs, refer to Section 1.4 of this manual. In order to be eligible for reimbursement, corrective action activities must have been authorized in advance by DEQ. Only cleanup costs exceeding the Financial Responsibility Requirement that are determined to be reasonable, necessary, and in accordance with the guidelines set forth by DEQ will be eligible for reimbursement. In addition, the Fund will not reimburse tank owners or operators for any release, which is caused by the negligence of the owner/operator or employees, agents or contractors of the owner/operator.

Articles 9, 10 and 11 of the State Water Control Law govern the use of the Fund. Familiarity with the State law, regulations, and the Storage Tank Program Technical Manual will be helpful in your compliance with the Petroleum Storage Tank Program requirements and the completion of your Reimbursement Application. To assist you in understanding this manual, Appendix 1 contains a list of terms and definitions found throughout the manual.

Refer to Section 1.7 to obtain assistance and information about the Petroleum Storage Tank Program.

## 1.2 ELIGIBILITY REQUIREMENTS

There are several factors that need to be considered in order to determine if an applicant is eligible to request reimbursement from the Fund. These factors may include: the type of storage tank (See Appendix 1 for definitions.) from which the release has occurred; the person/entity claiming reimbursement; the number of release occurrences; the circumstances under which the release occurred; compliance status of the facility; insurance coverage; and the Financial Responsibility Requirement of the claimant. These factors are described in further detail below.

### 1.2.1 Eligible Claimants

Not all persons are eligible claimants for reimbursement from the Fund. A claimant must be an owner/operator of the UST/AST, or a person assuming liability for the cleanup of the site, or a lender agreeing to conduct the cleanup.

#### 1.2.1.1 Responsible Persons

By law, the responsible person is the owner/operator of the UST/AST on the date the release is reported to DEQ.

**USTs** Owners/Operators of USTs may request reimbursement of corrective action costs and third party liability claims resulting from a release of petroleum from the UST(s). See Section 1.2.3 for cleanup and third party eligibility.

**ASTs** Operators of facilities with ASTs may request reimbursement of corrective action costs for an AST discharge of a product for which the Fund Fee imposed by Virginia Code § 62.1-44.34:13 is paid.

#### 1.2.1.2 Persons Assuming Liability

Property owners or other interested persons who are not the responsible person may "step into the shoes" of the owner/operator and become eligible for reimbursement from the Fund. Any person (including a contractor) who agrees to assume liability for a petroleum cleanup in accordance with DEQ requirements, is eligible to request reimbursement from the Fund. If a person does not assume liability for the cleanup or is not the owner/operator, they may not apply for reimbursement of cleanup costs.

#### 1.2.1.3 Lenders

Persons or entities who have loaned money secured by real property (lenders) on which regulated USTs are located may be eligible for reimbursement from the Fund without assuming liability for the cleanup. Lenders who foreclose on loans after July 1, 1996, are eligible to request DEQ approval for exemption from UST owner liability. Lenders must first notify DEQ to secure written approval of the exemption, obtain Regional Office approval for all activities, and conduct the cleanup in accordance with DEQ requirements.

### 1.2.2 Tank Types Eligible for Reimbursement

Owner/operator has Fund access for the following types of USTs and ASTs.

**Regulated UST** USTs containing petroleum as defined in the UST Technical Regulation (9 VAC 25-580-10, et seq.) and subject to all the requirements of the Technical Regulation. The most common types of petroleum substances include gasoline, diesel, kerosene, heating oil and waste (used) oil.

**Exempt USTs 1 and 2** Only two types of Exempt USTs are eligible for reimbursement from the Fund. These are:

1. USTs with a capacity of 1,100 gallons or less which contain motor fuel (gasoline or diesel fuel) for residential use or farm use; and
2. USTs used for storing heating oil for consumption on the premises where the tank is located (i.e., not offered for sale).

Note: Heating oil tanks > 5,000 gallons capacity were regulated in Virginia prior to July 1, 1996. Releases from these tanks reported prior to July 1, 1996, are regulated UST releases.

The other types of exempt USTs are not eligible for reimbursement from the Fund. These include: septic tanks; pipeline facilities; surface impoundments, pits, ponds and lagoons; storm water or wastewater collection systems; flow-through process tanks; liquid traps or associated gathering lines for oil/gas production facilities.

**Excluded USTs** The types of Excluded USTs that are eligible for reimbursement from the Fund are:

- (1) An UST system that contains petroleum for operational purposes such as hydraulic lift tanks and electrical equipment tanks; and
- (2) 110 gallon or less UST systems.

The other types of excluded USTs are not eligible for reimbursement from the Fund. These include: hazardous waste USTs, wastewater treatment facilities, and emergency spill and overfill containment units, which are regularly emptied.

**Deferred USTs** The types of Deferred USTs that are eligible for reimbursement from the Fund are emergency generator USTs at nuclear power facilities and field constructed USTs.

The other types of deferred USTs are not eligible for reimbursement from the Fund. These include wastewater treatment tank systems and USTs with radioactive materials.

**Partially Deferred USTs** The types of Partially Deferred USTs that are eligible for reimbursement from the Fund include UST systems that store fuel for emergency power generator use.

**Regulated AST Facilities** Facilities with ASTs with a maximum storage capacity of 25,000 gallons or more of oil subject to the Fund fee are eligible for reimbursement from the Fund.

**Unregulated AST Facilities** Facilities with ASTs with a storage capacity of less than 25,000 gallons of oil subject to the Fund fee are eligible for reimbursement from the Fund.

**Small Heating Oil ASTs** ASTs with a capacity of 5,000 gallons or less which contain heating oil for consumption on the premises where the tank is located (i.e., not offered for sale) are eligible for reimbursement from the Fund.

### 1.2.3 Cleanup and Third Party Claim Eligibility

Petroleum storage tank owners/operators have access to the Fund either for cleanup costs only or for both cleanup and third party costs. The following table identifies cleanup and third party eligibility for reimbursement from the Fund based upon the tank types discussed in Section 1.2.2.

Eligibility for Reimbursement from the Fund Based Upon Tank Type		
Tank Type	Cleanup and third party costs that exceed Financial Responsibility Requirement up to a combined maximum of \$1 million	Cleanup costs that exceed the Financial Responsibility Requirement up to a maximum of \$1 million
Regulated UST	X	
Exempt USTs 1 & 2		X
Excluded UST	X	
Deferred UST	X	
Partially Deferred UST	X	
Regulated AST Facility		X
Unregulated AST Facility		X
Small Heating Oil AST		X

As indicated in the table above, certain UST owners/operators can request reimbursement from the Fund for third party claims. These claims are incurred by the owner/operator as a result of a court approved settlement or a final judgment other than a default judgment, imposing liability upon an owner or operator for bodily injury or property damage to a third party arising from a release of petroleum from an

UST. The first priority for reimbursement from the Fund shall be corrective action. After DEQ required corrective action has been completed, the following damages are eligible for reimbursement as a third party liability claim:

- Bodily injuries;
- Actual loss of wages or business income by the third party; and
- Damages equal to the reduction in fair market value of any property due to a petroleum release from an UST.

Any other damages, which may be included in the award or settlement, such as damages for pain and suffering, loss of consortium, nuisance, negligence, etc., are not reimbursable from the Fund. Only the above-specified petroleum USTs are eligible for reimbursement from the Fund for third party property damage and bodily injury claims. Third party claims shall not be made on the Reimbursement Application forms. In order for a third party liability claim to be eligible for reimbursement from the Fund, the UST owner/operator must provide adequate documentation to DEQ. Refer to Section 1.7 to obtain assistance with Third Party Liability Claim Procedures.

#### 1.2.4 Determination of Occurrence

For each occurrence, the owners/operators may request access to the Fund for reimbursement above the amount of the Financial Responsibility Requirement up to \$1 million. There are five factors that must be evaluated to determine the number of occurrences at a site. These factors are (1) type of contamination; (2) time; (3) location; (4) ownership; and (5) tank type. Petroleum releases that are discovered within the time period set by the DEQ Regional Office for submitting a Site Characterization Report, generally constitute one occurrence if the tanks have one owner, are the same tank type, and are located at the same facility. The Regional Office staff determines the number of occurrences at a site and will review the determination with the responsible person, if requested.

#### 1.2.5 Corrective Action Financial Responsibility Requirement

Before the owners/operators may request reimbursement, a corrective action Financial Responsibility Requirement must be satisfied for each occurrence that pertains to the application. The Financial Responsibility Requirement amount is deducted from the total costs approved before any reimbursement payments are made. The Financial Responsibility Requirement for an application depends upon the number of occurrences, as described above, and tank type as follows:

**Regulated USTs** The Financial Responsibility Requirement for regulated USTs is determined according to the following sliding scale. This scale is based on the total gallons of petroleum pumped into or out of all of the owner's/operator's regulated USTs in the Commonwealth of Virginia for the year prior to the release report date. The year prior to the release can be any consecutive 12-month period that starts no more than 24 months prior to the release report date and ends no later than the release report date.

Example: A release is reported on February 1, 1998. The year prior to the release date must extend over 12 consecutive months but, could begin on any date from February 1, 1996 to February 1, 1997.

Annual Throughput (Gallons)	Corrective Action Per Occurrence FR Requirement
600,000 or less	\$5,000
600,001 - 1.2M	\$10,000
1,200,001 - 1.8M	\$20,000
1,800,001 - 2.4M	\$30,000
Above 2.4M	\$50,000

### **Exempt USTs 1 & 2**

1. USTs with a capacity of 1,100 gallons or less which contain motor fuel (gasoline or diesel fuel) for residential or farm use. The corrective action Financial Responsibility Requirement is \$500.
2. USTs used for storing heating oil for consumption on the premises where the tank is located (i.e., not offered for sale). The corrective action Financial Responsibility Requirement is \$500.



Note: Heating oil tanks with a storage capacity of 5,000 gallons or more, which had releases that were reported prior to July 1, 1996, are regulated UST and must refer to the regulated USTs table above to determine the Financial Responsibility Requirement.

**Excluded USTs** The Financial Responsibility Requirement for an occurrence related to these types of tanks is determined according to the sliding scale for regulated USTs shown above.

**Deferred USTs** The Financial Responsibility Requirement for an occurrence related to these types of tanks is determined according to the sliding scale for regulated USTs shown above.

**Partially Deferred USTs** The Financial Responsibility Requirement for an occurrence related to these types of tanks is determined according to the sliding scale for regulated USTs shown above.

**Regulated ASTs and Unregulated ASTs** The corrective action Financial Responsibility Requirement for an occurrence related to these tanks is determined according to the following:

**If the release was reported before July 1, 1996 use the following table (Pollution Complaint number less than 97-0000):**

Net Annual Profits greater than \$10 million		Net Annual Profits less than \$10 million *	
Total Storage Capacity for all AST facilities which operate in VA	Financial Responsibility Requirement	Total Storage Capacity for the AST Facility where the release occurred	Financial Responsibility Requirement
less than 4 million gallons	\$200,000	less than 25,000 gallons	\$2,500
4 million to 20 million gallons	Total Storage Capacity in VA x \$0.05 per Gallon	25,000 to 4 million gallons	Facility Storage Capacity x \$0.05 per Gallon
greater than 20 million gallons	Not Eligible for Reimbursement	greater than 4 million gallons	\$200,000

\* Based on the financial statements from the fiscal year preceding the date the release was reported to DEQ.

**If the release was reported after July 1, 1996 use the following table (Pollution Complaint number greater than 97-0000):**

Net Annual Profits greater than \$10 million *		Net Annual Profits less than \$10 million *	
Total Storage Capacity for all AST facilities which operate in VA	Financial Responsibility Requirement	Total Storage Capacity for the AST Facility where the release occurred	Financial Responsibility Requirement
less than 4 million gallons	\$200,000	less than 25,000 gallons	\$2,500
4 million to 20 million gallons	Total Storage Capacity in VA x \$0.05 per Gallon	25,000 to 100,000 gallons	\$5,000
greater than 20 million gallons	Not Eligible for Reimbursement	greater than 100,000 to 4 million gallons	Facility Storage Capacity x \$0.05 per Gallon
		greater than 4 million gallons	\$200,000

\* Based on the financial statements from the fiscal year preceding the date the release was reported to DEQ.

**Small Heating Oil ASTs** The corrective action Financial Responsibility Requirement for an occurrence related to these tanks is \$500.

#### 1.2.6 Insurance Coverage

Any cost incurred by an owner/operator that is reimbursed or reimbursable under an insurance policy is ineligible for reimbursement from the Fund, whether or not the insurer actually pays the cost. If the insurance coverage exceeds the Financial Responsibility Requirement, only those costs, which exceed the insurance coverage, are eligible for reimbursement.

Any owner or operator having an insurance policy that will cover all or part of the cleanup costs associated with the release is required to submit a copy of the policy, including the declaration page, the entire policy text, and all endorsements, with the reimbursement application. If the owner/operator fails to provide a complete copy of the applicable insurance documents, all costs submitted on the application will be denied.

### 1.2.7 Negligence

Any cost incurred by an owner/operator for cleanup and/or third party liability claims, which resulted from the negligence of the responsible person or the employees, agents, or contractors of the responsible person, are ineligible for reimbursement.

Negligence determinations are made by DEQ based on the specific facts of each case. Examples of negligent activities that resulted in a release for which there was no reimbursement are listed below:

pumping product into a monitoring well,  
pumping product into a pipe which is not connected to an UST/AST,  
filling an UST/AST which have the fill pipes or plugs removed, and  
damage to a line or tank during excavation or construction activities.

### 1.2.8 Vandalism

Vandalism differs from negligence in that vandalism is an act or omission committed by a third party who is not the tank owner or operator, or an agent, employee, or contractor of the owner or operator. DEQ may consider releases caused by vandalism for Fund access provided that the owner/operator whose tank has been vandalized:

1. reports the act of vandalism to the police; and
2. provides a copy of the police report to the DEQ regional office.

### 1.2.9 Financial Responsibility Demonstration Requirement


Federal and State Law require regulated USTs owners/operators to demonstrate financial responsibility. Demonstrating financial responsibility means that the UST owner/operator has prepared the documents necessary to show that the owner/operator has the ability to pay its Financial Responsibility Requirement in the event of a release. The owner/operator must demonstrate that he or she is financially able to pay the first \$20,000 to \$200,000 in cleanup and third party liability costs using the financial test of self insurance, a surety bond, a guarantee, insurance, a letter of credit, a trust fund or a group self insurance pool. Four alternative mechanisms also may be used by local government entities to demonstrate financial responsibility as follows: a Bond Rating Test, a Worksheet Test, a Governmental Guarantee, and a Fund Balance Test.

All regulated UST owners/operators are currently required to demonstrate financial responsibility. When submitting a reimbursement application, the demonstration document for the year in which the release occurred should be attached. If demonstration was not required at the time of the release or if this documentation was

not prepared, the current Financial Responsibility documentation must then be attached. Failure to provide demonstration of financial responsibility may result in enforcement action and penalties.

Refer to Section 1.7 to obtain additional information and assistance.

### 1.3 ELIGIBLE COSTS

 Costs, which are incurred to perform necessary corrective action in response to a release from a petroleum storage tank, are eligible for reimbursement from the Fund. The reasonableness of costs is usually based upon the Usual and Customary Rate Schedule (UCR Schedule) for the claimed item or activity. If no UCR exists for an activity or item, DEQ will determine an industry standard for assessing reasonableness. For Corrective Action Plan (CAP) implementation, a competitive bidding process is required to determine the reasonableness of some costs. The UCRs will be revised on a periodic basis. In order for necessary and reasonable costs to be eligible for reimbursement from the Fund, the activities associated with the costs must be authorized by the DEQ Regional Office prior to initiating the work. Section 2.0 has additional information on assessing reasonableness, bidding requirements, and obtaining authorization for site activities.

Eligible costs include, but are not limited to:

1. For Regulated USTs, Exempt USTs 1 and 2 and Small Heating Oil ASTs - Those corrective action costs for work performed on or after December 22, 1989;
2. For Regulated and Unregulated ASTs - Those corrective action costs for work performed on or after January 1, 1992;
3. The cost of testing UST petroleum tanks and lines only when performed to confirm a leak as directed by DEQ;
4. The cost of laboratory services used to analyze contaminated soil and water when directed by DEQ;
5. The cost of restoration or replacement of a public or private potable water supply to affected users;
6. The cost to maintain equipment used for petroleum/oil recovery or corrective action;
7. The costs for soil loading, hauling, treatment, disposal, and backfilling the excavation associated with UST removal at sites with a confirmed release.



Note: The amount approved by the Regional Office cannot exceed the quantities listed in Appendix 5, unless the Regional Office determines additional quantities are necessary to mitigate hazards at the site.

8. When required as part of a Corrective Action Plan or under Interim Authorization, the cost for UST removals.
9. The cost for companies/governmental entities to use their own personnel to conduct corrective action activities. This may include actual labor and fringe benefit costs for activities which do not duplicate activities performed by the consultant;
10. The cost of restoring topography and seeding for grasses;
11. The cost of product and contaminated water disposal; and
12. Up to a 10% mark-up on costs for subcontracted services, equipment, and materials obtained through an approved bid and billed to the Responsible Person by the primary consultant.
13. The cost, up to \$500 per Phase or per Reimbursement Period, for preparation of a Reimbursement application.
14. The cost for utility service associated with operation of remediation systems, including sewer fees, electrical fees, and natural gas fees. To be eligible for reimbursement, the utility service must be independently metered and bills/invoices from the utility or service provider must be included when claimed.
15. The cost of gasoline, diesel fuels, and bottled propane gas used to power remediation systems. To be reimbursed, bills/invoices for the fuel vendor must be included when claimed.
16. The cost of state and local permits required to implement and complete approved remediation activities. To be reimbursed, a bill or invoice for the permit from the issuer must be included when claimed.

#### 1.4 INELIGIBLE COSTS

Specific corrective action costs which are **not** eligible include, but are not limited to:

1. For all UST and AST cases closed before July 1, 1998, costs claimed after July 1, 2000;

2. For all UST and AST cases closed after July 1, 1998, costs claimed more than two years after the date of the case closure letter;
3. For Regulated USTs, Exempt USTs 1 & 2 and Small Heating Oil ASTs - Any corrective action costs for work performed prior to December 22, 1989;
4. For Regulated and Unregulated ASTs - Any corrective action costs incurred prior to January 1, 1992;
5. For Regulated ASTs:
  - a. corrective action costs if a fee is not levied on the product contained in the tank. Fuels subject to the tax include gasoline, aviation motor fuel; dyed diesel fuel, diesel fuel, and heating oil sold and delivered or used in the Commonwealth;
  - b. corrective action costs if the operators have not complied with reporting, prevention, containment and cleanup requirements;
  - c. the cost of AST Facility Ground Water Characterization Studies required by 9 VAC 25-90-10, et seq.;
  - d. the cost of installation of an AST leak detection method required by 9 VAC 25-90-10, et seq.;
  - e. the cost of testing AST tanks and lines to confirm a leak; and
  - f. the cost of AST closure (dismantling or demolition);
6. The cost of UST closure (removal or filling in place );
7. Mark-up of more than 10% on goods or subcontracted services;
8. All cost incurred if the release was caused in whole or in part by the negligence or willful misconduct of the owner, operator, their employee or agent, or anyone in privity of the owner/operator;
9. Any cost reimbursed or reimbursable under an insurance policy;
10. Any cost for corrective actions performed more than 24 hours prior to reporting a release to the Regional Office of DEQ;
11. The costs incurred by claimants for interest and/or points on loans obtained to finance a cleanup of a petroleum release from a storage tank unless the costs were incurred by an owner or operator which is exempt from taxation under § 501(c)(3) of the Internal Revenue Code (Va. Code § 62.1-44.34:11.A.5);



12. Costs identified as fraudulent or any cost in the Reimbursement Application which is determined to be fraudulent;
13. The cost of environmental audits arising from purchase agreements (i.e., Phase I and Phase II assessments for property transfers);
14. Any costs which were rounded upward when transferred from the invoice to the application worksheet(s);
15. Fines, penalties, or supplemental environmental projects imposed by DEQ or another government entity;
16. Any corrective action costs if the owner/operator is a federal government entity;
17. Attorney's fees not associated with approved corrective action activities. Fees not associated with corrective action activities include, but are not limited to, costs for litigation or legal defense. Costs associated with approved corrective action activities may include claim preparation and access agreement preparation, up to the UCRs;
18. The cost for legal defense;
19. The cost of upgrading, retro-fitting, repairing or replacing a petroleum UST system or AST;
20. The cost for lost or replacement of product;
21. The cost to reinstall electrical wiring, dispensers, pumps, canopies or other items;
22. The cost to replace/repair damage to structures or appliances caused by the release that does not directly represent a risk to human health or the environment. This exclusion does not apply to repairs necessitated by the installation of remediation equipment or repairs to the remediation equipment;
23. The cost for demolition, removal, or relocation of structures or appliances;
24. The cost of concrete and blacktop patching or other improvements beyond that which was removed to remediate the site;
25. The cost of landscaping, replacing trees, shrubs, and sod due to excavation activities or to stress caused by contamination;
26. Costs associated with, but not necessary for, the cleanup of a release from a petroleum storage tank;

27. The cost of loss of business of the owner/operator;
28. Extra costs which arise out of restrictions the owner/operator places on how site activities are performed;
29. The cost for calibration of field/testing equipment;
30. Duplicate site management costs and supervisory costs;
31. The cost of air fare, train fare, bus fare, cab fare, or other means of public transportation; or mileage more than 200 miles each way;
32. The cost of express mail or courier services for correspondence, reports or other documents;
33. The cost of ancillary charges, (refer to Section 2.4.2 for additional information on ancillary cost) and;
34. Costs incurred solely for business purposes and which are not necessary for corrective action, and;
35. The cost of overtime pays for professional staff.
36. The cost of fuel for rolling stock or excavation equipment, including gasoline, diesel fuel, and compressed natural gas.

## 1.5 REASONABLE AND NECESSARY COSTS

The Fund may reimburse reasonable and necessary costs for cleanup of a site. DEQ will authorize work, which is commensurate with the level of corrective action necessary to properly respond to a petroleum storage tank release. DEQ will evaluate the costs for activities and equipment using the reasonable cost information that DEQ has gathered and published in the UCR Schedules and determine if those expenses submitted for reimbursement are within the costs that DEQ considers reasonable.

During Corrective Action Plan (CAP) Implementation, a competitive bidding process is required to show reasonableness of some costs. See Section 2.5 for the details of this bidding process. The competitive bidding process is not limited to CAP Implementation; it can be used for any corrective action Phase to show reasonableness of costs. Regardless of which method is used to assess reasonableness, if expenses exceed the costs that are considered reasonable, DEQ will reimburse for that expense only up to the level, which is determined to be reasonable.



DEQ may only reimburse a portion of certain costs (i.e., mileage, equipment rates, hourly fees) at rates which may be different from those some companies charge as part of their cost

of doing business. Therefore, it is possible that some portion of corrective action costs incurred by the Responsible Person during corrective action may not be fully reimbursed.

## 1.6 RECORDS RETENTION FOR AUDIT PURPOSES

Claimants and their consultants must retain all records supporting each reimbursement application for seven (7) years from the date they receive the claim decision. At any time within this seven-year period, DEQ may conduct an audit of claimant and consultant records to ensure that all reimbursements paid are supported by appropriate documentation. Any person who knowingly makes any false statement in connection with a reimbursement application is subject to felony prosecution.

## 1.7 OBTAINING ADDITIONAL INFORMATION AND ASSISTANCE

Listed below are DEQ contacts for obtaining additional information about the petroleum storage tank program.

Reimbursements: To request copies of the reimbursement manual or for assistance regarding reimbursement claims, application status, filing deadlines, questions about how to submit a reimbursement application, request the status of a claim in delayed payment, please call (804) 698-4358 or email [tank@deq.state.va.us](mailto:tank@deq.state.va.us).

Regulations/State Law/Technical Information: To request copies of regulations, statutes, informational brochures, or the Storage Tank Program Technical Manual, please call (804) 698-4358 or email [tank@deq.state.va.us](mailto:tank@deq.state.va.us)

Claimant Eligibility: To obtain information about claimant eligibility or to request lender approval for an exemption from liability, please call (804) 698-4298.

Inability To Pay: An owner/operator can submit to DEQ financial information to document that the owner/operator is financially incapable of paying for corrective action. If DEQ determines that the owner/operator is incapable of paying for corrective action, the site may be placed on a priority list for DEQ contractors to clean up. For assistance or additional information, please call (804) 698-4298.

Regulated Petroleum UST Third Party Liability Claims: Reimbursement from the Fund for third party liability property damage and bodily injury claims is limited to owners/operators of regulated, excluded, deferred or partially deferred USTs. For assistance or specific procedures, please call (804) 698-4298.

Demonstration of Financial Responsibility: Owners/Operators of regulated petroleum USTs are required to demonstrate financial responsibility to address corrective action costs and third party liability claims. For specific questions regarding financial responsibility demonstration, please call (804) 698-4298.

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Cleanup Requirements: Contact the appropriate Regional Office for information on cleanup requirements. See Appendix 8 for a map showing Regional Office locations, telephone numbers, and regional boundaries.

## 2.0 REIMBURSEMENT PROCEDURES



In order for any corrective action costs to be eligible for reimbursement from the Fund, the release must be reported to DEQ. Any corrective action taken more than 24 hours prior to the report of the release will not be eligible for reimbursement.

### 2.1 RELEASE REPORTING REQUIREMENTS

USTs Owners/Operators of UST systems are required to report the following to DEQ within 24 hours: (1) discovery of released petroleum; (2) unusual operating conditions except where defective equipment does not cause a release; (3) monitoring results that indicate a release has occurred unless the monitoring device is found to be defective and subsequent monitoring indicates that no release has occurred; (4) spills or overfills that exceed 25 gallons or that cause a sheen on any surface water; or (5) spills or overfills less than 25 gallons that are not cleaned up within 24 hours of the spill or overfill. In the case of inventory control, release reporting is not required if a second month of data does not confirm the initial result indicating a release. Similarly, in the case of manual tank gauging, release reporting is not required if a second week or month of data does not confirm the initial result indicating a release.

See Appendix 8 for the appropriate Regional Office telephone number to report a release.

ASTs AST operators must notify DEQ immediately upon learning of any discharge. Notification is not required if the discharge is less than 25 gallons and is cleaned up within 24 hours of the spill. For these discharges, an operator must keep a record of the discharge and the cleanup activity as required by Article 11 of State Water Control Law (VA Code § 62.1-44.34:19).

See Appendix 8 for the appropriate Regional office telephone number to report a release.

### 2.2 OBTAINING DEQ REGIONAL AUTHORIZATION

The Fund reimbursement procedures are not intended to interfere with or govern the activities of businesses engaged in the corrective action activities associated with releases

from petroleum storage tanks. Corrective action is site-specific in nature and cannot always be accurately determined prior to the beginning of work. As a result of this site specificity and to provide Responsible Persons with a mechanism to control costs and ensure compliance with Fund requirements, a process requiring prior DEQ Regional Office authorization for corrective action activities has been created. This process is not intended to impede corrective action activities or define acceptable levels of cleanup; rather it is intended only to provide guidance on the reimbursement of claimed costs.




In order to be eligible for reimbursement from the Fund, corrective action activities must be authorized in advance by the appropriate DEQ Regional Office.

The Activity Authorization Form (AAF) is the mechanism by which the Responsible Person obtains Regional Office authorization for corrective action activities. AAFs will only be authorized for established DEQ Phases. Phases are established steps that progress from release abatement through cleanup and closure of the site. Each Phase has a corresponding report that must be submitted to the Regional Office. Section 2.3 contains a listing of the Corrective Action Phases and Phase requirements.

#### 2.2.1 AAF Authorization Process


1. A release is detected. Within 24 hours, the Responsible Person reports the release to the appropriate DEQ Regional Office and the Regional Office issues a Pollution Complaint (PC) number for the site. Information about obtaining authorization for emergency cleanup can be found in Section 2.2.2.
2. The Responsible Person and consultant coordinates with the Regional Office to develop a site-specific scope of work and determine in which Phase the work will be authorized.
3. The Responsible Person and/or consultant complete an AAF, which lists proposed and contingent units for Tasks and Material items. The Responsible Person sends the AAF to the Regional Office for approval before site activities begin. See Appendix 6 for an Activity Authorization Form and instructions for completion.
4. The Regional Office sends the approved AAF back to the Responsible Person and/or consultant. The approved AAF is DEQ's documentation that the work has been authorized.
5. The consultant/contractor performs the scope of work authorized by the Regional Office on the approved AAF.
6. The Responsible Person/consultant must obtain DEQ Regional Office authorization for all work which will exceed the proposed plus contingent

units on the approved AAF. This additional work may be authorized by revising the original AAF to include the additional units or completing a new AAF listing only the additional units to be performed.

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7. The appropriate Phase report and the authorized AAF(s) with the "Work Performed" column completed is submitted to the Regional Office prior to submitting a Reimbursement Application. The AAF should not be bound in the report. See Section 2.3.
  8. The Regional Office verifies that the work listed in the "Work Performed" column of the AAF has been performed and forwards a copy of the completed Phase AAF to the DEQ Central Office. If necessary, the Regional Office authorizes additional work under the next corrective action Phase.

### 2.2.2 AAF Post Authorization

The responsible person must undertake actions taken to abate immediate hazards (fire/safety or environmental emergency) even if those actions have not been authorized by DEQ. DEQ realizes that when responding to emergencies, Regional Office authorization of an AAF prior to performing the work is not always practical. DEQ also recognizes that Regional Office staff is not always available and site conditions sometimes justify the need to exceed the AAF authorized units prior to Regional Office approval.



When either of these situations occur, the Regional Office must be contacted as early as possible (usually the next business day) and an AAF must be submitted to the Regional Office. This AAF must indicate all the work for which post authorization is needed as well as other activities that may be necessary to complete the particular Corrective Action Phase. When the Responsible Person requests post authorization of an AAF, there is a risk that the Regional Office staff will determine that all or part of these activities is unnecessary. Regional Office staff will evaluate the scope of work on the AAF and authorize only the work that the Regional Office staff believes was necessary.

Responsible Persons are required to report releases to DEQ (See Section 2.0). Actions taken more than 24 hours prior to report of a release to DEQ are not eligible for reimbursement and will not be post authorized on an AAF.

### 2.2.3 Authorization for Corrective Action Plan Implementation

The Corrective Action Plan Implementation Phase differs from other Corrective Action Phases. Tasks and materials that exceed \$500 and do not have a DEQ established UCR must be bid. All activities for CAP Implementation must be

approved by the appropriate DEQ Regional Office on a Bid Summary Form and/or an AAF to be eligible for reimbursement.

Section 2.5 contains detailed requirements for obtaining authorization and bidding the CAP Implementation Phase.

## 2.3 CORRECTIVE ACTION PHASES

Phases are established steps that progress from release abatement through cleanup and closure of the site. AAFs will only be authorized for DEQ Phases and each Phase has a corresponding report that must be submitted to the Regional Office. After completion of one or more Corrective Action Phases, an application for reimbursement may be submitted. Claims for Post Site Characterization Monitoring and Corrective Action Plan Implementation Phases may be submitted only twice in any calendar year.

### 2.3.1 Reimbursement by Complete Phases

After completion of one or more corrective action Phases at a site, a Reimbursement Application for costs incurred may be submitted. If the Reimbursement Application is filed prior to the submittal of the appropriate corrective action report, the application will be returned to the claimant. The application may be re-filed when the report has been submitted to the appropriate DEQ Regional Office. Listed below are the Corrective Action Phases and the corresponding reports, which must be submitted to the Regional Office prior to filing an application.

<u>Corrective Action Phases</u>	<u>Report</u>
Release Investigation	Release Investigation Report
Initial Abatement	Initial Abatement Report
Site Characterization	Site Characterization Report
Site Characterization Addendum	Site Characterization Addendum Report
Phase II Initial Abatement	Phase II Report
Corrective Action Plan Development	Corrective Action Plan
Corrective Action Plan Addendum	Corrective Action Plan Addendum

## Site Closure

## Site Closure Report

## 2.3.2 Phases with Reimbursement Periods

The following Phases of corrective action do not need to be completed before an application for reimbursement may be submitted. For these Phases, the claimant establishes Reimbursement Periods. The claimant should only request AAF authorization for activities that will be completed during one Reimbursement Period at a time.

<u>Corrective Action Phases</u>	<u>Report</u>
Post Site Characterization Monitoring	Post Site Characterization Monitoring Report
Corrective Action Plan Implementation	Monitoring/operating Reports

DEQ may provide written Interim Authorization to undertake corrective action activities prior to the approval of a Corrective Action Plan. Work authorized under Interim Authorization must be conducted and costs claimed using the procedures for CAP Implementation Phase.

Only two claims per calendar year may be submitted for Post Site Characterization Monitoring Phase and only two claims per calendar year may be submitted for Corrective Action Plan Implementation Phase. The Reimbursement Period is established using the earliest and latest invoice dates. Only one application will be accepted for a Reimbursement Period. Reimbursement Periods during these Phases may not overlap. An application must include all of the costs for the work performed during the Reimbursement Period. Additional costs submitted in later applications, which overlap a previous Reimbursement Period, will be denied.

Example: The Corrective Action Implementation Phase of work is initiated on June 1, 1996. A remediation system is installed at the site and a reimbursement application is submitted on October 15, 1996 with invoice dates ranging from June 11, 1996 until October 1, 1996. The Reimbursement Period for this application is June 11, 1996 to October 1, 1996. The next CAP Implementation Phase application cannot include any invoices dated between June 11, 1996, and October 1, 1996.

## 2.4 USUAL AND CUSTOMARY RATE (UCR) SCHEDULES

DEQ has established three separate UCR Schedules for Task and Material items eligible for reimbursement. Each UCR Schedule may be used only for work performed within the

effective dates and transition periods listed below. The UCRs represent the maximum amount (including overhead and mark-up) DEQ will reimburse for an activity or item unless bidding is used as described in Section 2.5. For sites where new Phases of Corrective Action extend across effective dates of UCR Schedules, DEQ requires a transition to the more current UCR schedule. The following table lists UCR Schedules:

UCR SCHEDULE	EFFECTIVE DATES	TRANSITION TO NEXT UCR SCHEDULE
1289	12/22/89 through 2/28/95	New Phase or New Reimbursement Period started after 2/28/95 transitions to the 395 UCRs
395	3/01/95 through 12/31/97	Regional Office receipt of first AAF for a New Phase or New Reimbursement Period after 12/31/97 transitions to the 198 UCRs
198	1/01/98 to Present	Not Applicable

The 1289, 395, and 198 UCR Schedules are available as Volume II of the Virginia Petroleum Storage Tank Fund Reimbursement Guidance Manual. See Section 1.7 for obtaining copies.

### 1289 UCR Schedule

The 1289 UCRs apply when Corrective Action activities began after December 21, 1989 and prior to March 1, 1995. When a Phase or Reimbursement Period using 1289 UCRs continues beyond the 1289 UCR effective date (2/28/95), the 1289 UCRs remain in effect until a new Phase or Reimbursement Period is begun. A site transitions to the 395 UCRs when a new Phase or new Reimbursement Period starts after February 28, 1995. Costs for Work Performed units on a 1289 AAF for a Phase or Reimbursement Period, which started after February 28, 1995, will be denied.

### 395 UCR Schedule


The 395 UCRs apply when the Regional Office receives the first AAF for a new Corrective Action Phase or Reimbursement Period after February 28, 1995 and prior to January 1, 1998. When a Phase or Reimbursement Period using 395 UCRs continues beyond the 395 effective date (12/31/97), the 395 UCRs remain in effect until the Regional Office receives the first AAF for a new Phase or Reimbursement Period. A site transitions to the 198 UCRs when the Regional Office receives the first AAF for a New Phase or New Reimbursement Period after December 31, 1997. Costs for Work Performed units on a 395 AAF for a Phase or Reimbursement Period, which started before March 1, 1995, or after December 31, 1997, will be denied.

## 198 UCR Schedule

The 198 UCRs apply when the Regional Office receives the first AAF for a new Corrective Action Phase or Reimbursement Period on or after January 1, 1998. Costs for Work Performed units on a 198 AAF, which started before January 1, 1998, will be denied.

### 2.4.1 Task and Material Costs


DEQ has identified Tasks that are commonly performed during corrective action at petroleum storage tank sites and has established UCRs for these Tasks. Prior Regional Office authorization for all corrective action Tasks is required in order for those tasks to be eligible for reimbursement.

 The Regional Office will also authorize items from the Material UCR Schedule for activities, which the Regional Office determines to be necessary, but are not included in the Task UCR Schedule. The Regional Office will authorize only material items where it is not possible to utilize a Task UCR. Material UCRs should not be used to replace Task UCRs. As part of the approval process, the Regional Office will identify the site-specific activities and then authorize the appropriate items and units for each activity from the Material UCRs. Appendix 4 contains listing of professional classifications and their corresponding responsibilities.

Examples of activities that require use of material items include:

- sample analysis;
- fate and transport modeling;
- bio-feasibility studies;
- soil vapor extraction pilot test;
- air sparging pilot test;
- fracture trace analysis; and
- contractor travel time and per diem.

### 2.4.2 Coding Items on the AAF

 Every item listed on an AAF for authorization must have a code entered in the column titled "Code". Tasks are pre-entered on the AAFs with the "T" codes listed in the Code column. Items from the Material UCR Schedule must be listed with their corresponding code in the Material section of the AAF. Most items on the Material UCR Schedule in Volume II of the Reimbursement Guidance Manual are listed with "M" Codes with their matching UCRs. However, the 198 Program Material UCR Schedule has a limited number of items and commodities with "U" Codes (see Page 1-41 of Vol. II of the Reimbursement Guidance Manual). C Coded items must be listed for authorization on the Material section of the AAF. C Coded items do not have fixed Unit Rates or UCRs. C Coded items will be reimbursed at cost. To be

reimbursed for C Coded items, a bill or invoice from the supplier or vendor of the commodity, documenting the cost incurred, must be submitted with the claim. Invoices must conform to the invoice requirements found in Section 4.1.5.

Proposed and Contingent Unit values are not necessary when requesting authorization for C Codes, except when requesting authorization for U1008, Federal/State/Local Permit fees. When requesting authorization for permits (U1008), the number of permits needed must be listed in the "Proposed Units" column.

If an item is listed on the AAF that is not included on the Material UCR Schedule and does not have a code, the claimant or consultant must assign one. Items that do not have an M or C Code must be assigned an X Code. Do not assign an X code if the item has an M or C Code. An X Code is a alphanumeric code beginning with "X". For each site, X Codes must begin with X001, each item should be uniquely numbered, and the X Codes must be sequential, i.e. X001, X002, X003.

### 2.4.3 Ancillary Costs

There are many small items that should not be charged separately. These ancillary costs are considered as overhead and are included in the billing rate of professional staff. These costs include, but are not limited to, the following:

telephones	faxes	computers	CAD computers
software	copies	postage	office supplies
building overhead	binders	cellular phones	portable computers
cameras	tool kits	hand tools	photographic film
field notebooks	drum dolly	flashlights	ear plugs

## 2.5 BIDDING

Bidding is required during the CAP Implementation Phase for activities or materials with no UCR that cost more than \$500 over the duration of the Phase. Regional staff may also require bidding in any Phase where DEQ believes bidding is advantageous to the Commonwealth.



Prior to initiating work in a Phase, the Responsible Person may also elect to use bidding to demonstrate a DEQ established UCR for a Task or Material is unreasonable.

DEQ expects that bidding will be used most often during the CAP Implementation Phase, since this Phase typically includes purchase and installation of remediation systems for which DEQ has not established UCRs. The following section provides guidance on when bidding is required and how to properly bid work in order to be eligible for reimbursement.

### 2.5.1 Role of the Primary Consultant

The Responsible Person may not have the technical expertise to develop bid specifications and review incoming bids for implementing corrective action plans or other Phases. The following procedures assume that the Responsible Person will retain a primary consultant to assist with the bidding process and oversee site work. Some of the functions the primary consultant may perform at most sites can include:

1. preparing engineering design and specifications for remediation systems;
2. developing bid solicitations;
3. reviewing incoming bids and selecting the winning bids;
4. overseeing work performed by subcontractors;
5. installing the remediation system;
6. providing project management throughout the corrective action process;
7. operating and maintaining the remediation system;
8. monitoring site conditions and remediation system effectiveness;
9. preparing status reports directed by DEQ;
10. preparing or assisting with reimbursement application submittal; and
11. removing the remediation system.

The primary consultant is not required to bid any DEQ established Task or Material that is authorized on an AAF. The personnel time needed for performing primary consultant functions must be listed on the Material section of the AAF. When requesting personnel time to perform these functions, the primary consultant must list the specific activities to be performed in the Comments section of the AAF.



A consulting firm may not bid on scopes of work at sites where it is the primary consultant.

### 2.5.2 Ensuring a Fair Bid Process

The Responsible Person or primary consultant should make every effort to ensure the bidding process is fair and unbiased because this is essential for effective competition.

A list of contractors to be invited to bid should be prepared. Each contractor should be evaluated for financial capacity and integrity and for the ability to complete a project of the size, scope, and complexity required. Those invited to bid should be fully qualified contractors who can meet all contract requirements. The Responsible Person or primary consultant should allocate sufficient time for bidders to prepare their bids. All bids should be solicited at the same time allowing each bidder equal time to prepare a response. All bids should be delivered to a pre-designated place, no later than a specified time. A tabulation of all bids should be furnished to each bidder within ten days of the bid date and, for larger scope items, it is preferable that bids be

opened in the presence of all bidders. By provisions in the instructions to bidders or in advertisements, the Responsible Person typically retains the right to reject any and all bids. However, rejection should not be used as a device to accept a bid submitted after the prices of others were made public, or to obtain an estimate of the cost of the work which is then awarded in separate contracts or to a bidder selected in advance. Any irregularities in the bids may be waived, provided this is done after careful study and in good faith. Under no circumstances should a bidder be permitted to alter a bid after all bids have been opened. The contract should be awarded to the lowest responsible bidder.

For more detailed guidance in competitive bidding procedures, refer to the American Institute of Architects Document A501/Associated General Contractors of America Document 325; *Recommended Guide for Competitive Bidding Procedures and Contract Awards for Building Construction*.

### 2.5.3 The Bid Process

#### *Step 1. The Responsible Person or the Primary Consultant Prepares and Submits Bid Summary and Activity Authorization Forms to the Regional Office for Approval*

The Responsible Person or primary consultant will identify bid scope(s) of as well as work to be performed based upon the UCR Schedule. To obtain approval for these activities, both a Bid Summary Form and an AAF must be submitted. Material or equipment, which will be bid, must be listed on the Bid Summary Form (see Appendix 7) and assigned a scope of work number. Tasks or materials, which utilized UCRs, must be listed on an AAF (see Appendix 6).

All non-bid activities planned for completion during the Phase or Reimbursement Period must be included on an AAF. AAFs should include personnel time needed to develop bid solicitations, evaluate bids, and other necessary items listed in Section 2.5.1. The Bid Summary Form and AAF must be submitted to the Regional Office for approval.

Every item or activity must be listed on either the Bid Summary Form or the AAF, not both.

#### *Step 2. Bid Summary and Activity Authorization Forms are Approved and Returned to the Responsible Person*

The Regional Office will review the AAF(s) and approve appropriate activities and units. The Responsible Person may also be directed to obtain bids for any task, equipment, material, or service and be required to modify the AAF and Bid Summary Forms accordingly.

The Regional Office will evaluate the information listed on the Bid Summary Form(s) and ensure that necessary items and services are included and that the scopes of work are appropriate. The Regional Office staff may request engineering designs or other detailed information on which the scopes of work on the Bid Summary Form are based. Once the Regional Office staff completes its review, copies of the approved AAF(s) and Bid Summary Form(s) will be returned to the Responsible Person.

The decision to rent or purchase equipment should be based on the option that gives the lowest overall cost. The Responsible Person or consultant may be required to demonstrate that purchasing is more cost effective than leasing or renting. The Regional Office may require rental or purchase after reviewing the analysis.

If additional work or change orders for bids are required, additional AAFs and Bid Summary Forms must be submitted to the Regional Office for approval. Please see Section 2.5.7 for instructions regarding change orders.

*Step 3. Responsible Person Obtains and Submits Bids to the Regional Office for Review*

After receiving an approved Bid Summary Form, competitive bids for the scopes of work listed on the Bid Summary Form(s) may be obtained. A minimum of three qualified bids must be obtained for each scope of work identified on the Bid Summary Form. Bids should include shipping and freight charges and applicable taxes. After all bids are received, copies of the bid solicitations, completed Bid Comparison Form (see Appendix 7), and bids or phone bid documentation must be sent to the Regional Office for verification. The Bid Comparison Form must list the bids which were received for each scope of work, who provided the bids, the total amount of each bid, and the lowest bid that met the specified scope of work.

Copies of the bids must be attached to the Bid Comparison Form and must be arranged in the order in which they are listed on the form.

*Step 4. The Regional Office Reviews the Bids*

Upon receiving copies of the bid solicitations, Bid Comparison Form(s), and bids or phone bid documentation, the Regional Office staff will confirm the bid selections. The Regional Office will retain copies of the bids and send a signed copy of the Bid Comparison Form to the Responsible Person, authorizing the Responsible Person to award the contracts.

*Step 5. The Owner/Operator Initiates Bid Work*

Once the Bid Comparison Form(s) signed by the Regional Office has been received, corrective action may begin.

*Step 6. Submittal of Completed Bid Work Progress and Activity Authorization Forms*

Before a reimbursement application can be processed, the Responsible Person must submit to the Regional Office completed Bid Work Progress Forms, AAFs, and reports or other related work products required for the Phase or Reimbursement Period. The Bid Work Progress Form lists work performed during the Phase or Reimbursement Period and indicates the cumulative percentage of work completed for each scope of work. The AAF indicates the number of units of work performed for non-bid items for the same Phase or Reimbursement Period.

The Case Manager at the Regional Office will review the AAF and the Bid Progress Form to verify that the specified work has been completed. The Regional Office is responsible for forwarding AAFs and Bid Work Progress Forms to the DEQ Central Office for reimbursement processing. DEQ will reimburse up to the amount of the lowest bid, which met the scope of work approved by the Regional Office.

#### 2.5.4 DEQ General Bidding Requirements

1. The bids must be site-specific and the scope of work must be clearly defined.
2. The bids must be obtained before the work is performed.
3. Do not mix activities, tasks or materials eligible for reimbursement with items or activities, which are not eligible for reimbursement. Mixing bid items with activities or materials that are not eligible for reimbursement will invalidate the bid and affect the amount eligible for reimbursement. A list of ineligible costs can be found in Section 1.4.
4. Consultants cannot provide bids at sites where the consultant or its firm are acting as the primary consultant. DEQ believes that it would be a conflict of interest for the primary consultant to submit a bid for a scope(s) of work when the primary consultant also evaluates the incoming bids.

Note: The primary consultant may perform any task or provide material or equipment for which there are DEQ established UCRs.

5. A minimum of three qualified bids must be received for each scope of work listed on the approved Bid Summary Form. If three qualified bids are not obtained, the primary consultant should evaluate remedies including soliciting bids from additional contractors and/or revising the specifications as appropriate to encourage additional bids and re-bid. Notify the Regional Office for guidance if three bids cannot be obtained.

6. A written bid must be received from each bidder in the format specified by the primary consultant. However, DEQ requires the cover page of each bid to include:
  - a. the scope of work;
  - b. the scope of work number;
  - c. the name of the bidding company;
  - d. name of the person preparing the bid;
  - e. the date that the bid was offered;
  - f. the specific service and number of units, or materials/equipment and number of units;
  - g. the total price for that service or items and unit prices where applicable; and
  - h. the signature of an authorized agent for the bidder.
7. Phone bids are acceptable for bid scopes of work totaling less than \$2,000. The following information must be submitted to the Regional Office documenting the phone bids:
  - a. the scope of work;
  - b. the scope of work number;
  - c. the name of the bidding company;
  - d. name of person providing the bid;
  - e. the date that the bid was offered;
  - f. the specific service and number of units; or materials/equipment and number of units;
  - g. the total price for that service or items and unit prices where applicable; and
  - h. the names and titles of individuals obtaining the phone bids.
8. All bids must be for the same scope of work including number of units and equipment size(s). Lump sum totals must be shown for all bids received and contracts will be awarded based on the lump sum amounts including freight, shipping, and applicable taxes. Unit prices must also be shown when applicable.
9. Each scope of work, which is bid, must be listed on a Bid Comparison Form. The Bid Comparison Form lists bids, which were received for each scope of work, names of the bidders, dollar amounts for the bids, and indicates the successful bid.
10. In order for a bid to be considered valid, the scope of work listed on that bid must correspond with the scope of work approved by the Regional Office on the Bid Summary Form.

11. The Responsible Person and primary consultant are responsible for ensuring that work is performed according to the bid specifications, and verifying that work claimed for reimbursement is completed. The Responsible Person and the primary consultant are responsible for completely supervising and directing the work of all subcontractors.

#### 2.5.5 Bidding Requirements for CAP Implementation Phase

For sites with acceptable Corrective Action Plans, the Regional Office sends a CAP approval letter to the Responsible Person. If Interim Authorization of a CAP is requested and necessary, the Regional Office sends an Interim Authorization approval letter authorizing the requested actions to be taken under Interim Authorization. Upon receipt of the CAP or Interim Authorization approval letter, the Responsible Person or primary consultant will identify the scope(s) of work for activities and materials needed for the CAP Implementation Phase.

Bidding may occur at different times throughout the CAP Implementation Phase (i.e., design, construction/start-up, O&M). If the Responsible Person or primary consultant wishes to bid an item, a scope of work for this item or service must be developed and a scope of work number must be assigned. Bids for services, materials, and equipment may be combined or aggregated as deemed appropriate by the Responsible Person or primary consultant. The scopes of work that are to be bid for the duration of the CAP Implementation Phase are then summarized on a Bid Summary Form.

CAP Implementation Phase work is authorized as follows:

1. Tasks and Materials on the UCR Schedule may be listed on an AAF for authorization by the Regional Office and do not require bidding. In some cases, the Regional Office may identify Tasks or Materials with UCRs, which must be bid. If this occurs, the Responsible Person is required to modify the AAF and Bid Summary Forms accordingly.
2. Material and equipment which are not listed in the UCR schedule and cost more than \$500 over the duration of CAP Implementation must be listed on the Bid Summary Form, assigned a scope of work number, and bids obtained. The Responsible Person also has the option of bidding any activity or item, even if there is an applicable UCR.
3. Activities or items not listed in the UCR schedule, which will cost less than \$500 over the duration of CAP Implementation need not be bid. Rather, they are authorized on the Material section of the AAF. On the AAF, each activity or item that does not have a Material UCR must be assigned a three-digit code beginning with "X" (See Section 2.4.1 for a more detailed explanation). For each site, "X" codes must be unique, begin with X001, and be sequential. For example, X001, X002, X003,....



4. Task T040, General Project Management, may not be used and costs associated with this task code will not be reimbursed during the CAP Implementation Phase. Personnel time needed for project management activities should be authorized on the Material section of the AAF. The primary consultant, when requesting personnel time, must specify on the AAF the activities to be performed and the amount of time that personnel at a particular level will spend on each activity.
5. A bid scope of work may take considerable time to complete and could extend over multiple Reimbursement Periods. To request reimbursement for work performed during a Reimbursement Period, the Bid Work Progress Form must indicate the cumulative percentage of the scope of work completed. This is the percentage of the scope of work that has been completed since the CAP Implementation Phase began through the end date of the Reimbursement Period being claimed. New Bid Work Progress Form(s) must be completed to claim any remaining bid work in subsequent Reimbursement Periods.
6. An AAF that has been submitted with a CAP Implementation Phase reimbursement application cannot be used in any subsequent reimbursement applications. Work, which was authorized on an AAF but not performed must be re-authorized on a new AAF in order to be eligible for reimbursement during a subsequent Reimbursement Period.

Note: To ensure site activities are not interrupted, AAFs listing activities to be performed during the next Reimbursement Period should be authorized prior to completion of the current Reimbursement Period.

#### 2.5.6 Bidding Requirements Outside of CAP Implementation Phase

If the Responsible Person believes a Task or Material UCR is not reasonable, DEQ will also allow the use of bidding to demonstrate the reasonableness of the costs in any Phase. In addition, DEQ may require the use of bidding in any when DEQ believes bidding is advantageous to the Commonwealth.



For Phases without Reimbursement Periods (See Section 2.3.1, Reimbursement by Complete Phases), all bid work must be completed and claimed in the sole reimbursement application for the Phase. The Responsible Person must take care to ensure that the Bid Work Progress Form and reimbursement application include all bid work completed during the Phase. Unclaimed bid work cannot be submitted in a reimbursement application for another Phase.

In the Post Site Characterization Monitoring Phase, the claimant establishes Reimbursement Periods for submittal of applications (see Section 2.3.2). To request

reimbursement for work performed during a Reimbursement Period, the Bid Work Progress Form must indicate the cumulative percentage of the scope of work completed. This is the percent of the scope of work completed from the beginning of Post Site Characterization Monitoring Phase through the end date of the Reimbursement Period for which an application is being submitted. A new Bid Work Progress Form must be completed for each Reimbursement Period.

### 2.5.7 Change Orders

Any change to an approved bid scope of work is considered a Change Order. Change Orders can only be made to the original scope of work, not to a previous Change Order. Work which was not included as part of the approved bid scope of work requires Regional Office approval using either of the two following mechanisms in order to be eligible for reimbursement:

1. When the number of units of an approved bid scope of work increase, yet the unit costs (as specified in the successful bid) do not change, additional bidding for the change order units may not be required. For the additional units, complete a Bid Summary Form by assigning a new scope of work, scope of work number, and filling in the Change Order block. Submit the Bid Summary Form to the Regional Office for approval. This additional work does not have to be bid if the Regional Office approves the additional units. See Appendix 7 for detailed instructions on completing the Bid Summary Form.

Example: Bids, which contained unit rates, were obtained for excavating 300 tons of soil. After initiating work on site, it was determined that an additional 90 tons of soil should be excavated. A Bid Summary Form indicating the scope of work, the additional proposed number of units, and that this as a change order was submitted to the Regional Office. The Regional Office believed that the additional work was necessary, approved the scope of work, and returned a copy of the approved Bid Summary Form. The Responsible Person proceeded with the additional excavation without obtaining bids using the unit rates from the original bid.

2. When unit prices for a previously approved scope of work will be different than those submitted on the original bid, or when a unit price was not included in the original bid, a new scope of work and scope of work number must be assigned. Work for these change orders must be bid using the bidding requirements of this section.

### 2.5.8 Mark-up


Mark-up on costs that are billed directly to the Responsible Person is not eligible for reimbursement. Only costs for subcontracted services, equipment, and materials obtained through an approved bid and billed to the Responsible Person by the primary consultant, are eligible for mark-up of up to 10%.

## 2.6 REGIONAL OFFICE VERIFICATION OF AUTHORIZED WORK

Before a reimbursement application can be processed, the following must be submitted to the Regional Office:

1. reports or other work products required for the completed Phase or Reimbursement Period
2. AAFs with the Work Performed Column filled in (work-performed AAF), and/or
3. completed Bid Work Progress Forms.

The AAF(s) and Bid Work Progress Forms should not be bound in the report. The AAF(s) and the Bid Work Progress Forms must include all work performed for the Phase or Reimbursement Period.

 Before the report is submitted to the Regional Office, the claimant should take care to ensure that the AAF(s) and/or Bid Work Progress Form accurately reflect the work performed for the Phase or Reimbursement Period. All evidence to support the necessity of work, which was not authorized by the Regional Office but is listed in the work performed column of the AAF must be submitted with the work-performed AAF.

The Regional Office reviews the report and completes a verification package documenting the work performed for the Phase or Reimbursement Period. This verification package is forwarded to the Reimbursement Staff at the Central Office of DEQ for Application Processing.

## 3.0 COMPLETING AND SUBMITTING THE REIMBURSEMENT APPLICATION

### 3.1 THE REIMBURSEMENT APPLICATION


The Reimbursement Application must be used to request reimbursement from the Fund. Clearly type or print all information and ensure that all required documents are submitted with the application. Attach additional pages as necessary to explain responses. Sign and date the application where indicated. Send the original signed application with one copy of

each of the supporting documents. Retain a copy of the application and the original supporting documents for seven years from the date of submission. To confirm delivery, it is suggested that applications be mailed certified, return receipt requested. Applications may not be submitted by facsimile or through electronic means.

A Phase or Reimbursement Period must be completed before a reimbursement application can be submitted. AAFs with the units in the Work Performed Column filled in, completed Bid Work Progress Forms, and reports or other related work products required for the completed Phase or Reimbursement Period must be submitted to the Regional Office. The AAF(s) and the Bid Work Progress Forms must include all work performed for the Phase or Reimbursement Period.

## 3.2 NEW FILING REQUIREMENTS FOR CLAIMS

### 3.2.1 Filing Deadlines

 The 1997 General Assembly enacted a claim-filing deadline for leaking petroleum storage tank sites. The new law prohibits reimbursement of applications for cleanup and third party claims received after the filing deadline. The deadline for filing applications for reimbursement is two years after case closure (the date DEQ closes the investigation and cleanup activities for a site). For any cases closed prior to July 1, 1998, the filing deadline is July 1, 2000.

Use the table below to determine your filing deadline:

<u>Case Closure Letter Date</u>	<u>Reimbursement Application Filing Date</u>
Before July 1, 1998	July 1, 2000
On or after July 1, 1998	2 years after the case is closed *


\* Case closure date is determined by the date of the case closure letter

In addition to the filing deadline, please remember that only underground storage tank cleanup costs incurred after December 22, 1989, and aboveground storage tank cleanup costs incurred after January 1, 1992 are eligible for reimbursement.

### 3.2.2 New Filing Requirements

1. Only Phases or Reimbursement Periods utilizing the same UCR Schedule are allowed in an application. A separate application must be submitted for Phases or Reimbursement Periods utilizing different UCR Schedules.

Example: The Initial Abatement Phase and Site Characterization Phase were completed utilizing the 395 UCR Schedule. The Corrective Action Plan Development Phase was completed using the 198 UCR Schedule. A minimum of two separate applications is required. One application would include the Initial Abatement and Site Characterization Phases (395 UCR Schedule) and the second application would be for the CAP Development Phase (198 UCR Schedule).

2. Claims for Post Site Characterization Monitoring may be submitted only twice in any calendar year.
3. Claims Corrective Action Plan Implementation may be submitted only twice in any calendar year.
4. At sites where Corrective Action activities began prior to March 1, 1995, an AAF for 1289 UCRs must be completed and submitted to the appropriate Regional Office prior to submittal of an application for reimbursement. An Interim VPSTF Claim Worksheet is no longer acceptable.
5.  Only one application utilizing 1289 UCRs for a site will be accepted after January 1, 1998. This application must include all remaining Phases or Reimbursement Periods which utilize 1289 UCRs. All 1289 UCR units for which you seek reimbursement must be listed in the Work Performed column of the AAF. Any units not listed in the work-performed column of the AAF(s) submitted for Regional Office verification will be ineligible for reimbursement.

### 3.3 APPLICATION FORMS AND WORKSHEETS

The following is a description of the application forms and an explanation of their use. The application forms and detailed instructions can be found in Appendix 2. Appendix 3 contains the application Worksheets and instructions.

#### **Form 1 - Reimbursement Application**

This is a two-page form that must be filled out and submitted with each application for reimbursement. The form requests claimant, site, insurance, financial responsibility and cost information.

The application requires the claimant to certify that the Responsible Person has read and understands the requirements for reimbursement and that the application submitted is not fraudulent. In addition, the claimant agrees to pay any remaining financial responsibility requirements. The claimant must attest to the accuracy and completeness of the information provided.

#### **Substitute IRS Form W-9**

This form must be filled out and submitted with the first application for each site by the Responsible Person. Completion of the form certifies that the Responsible Person has provided their correct taxpayer identification number, is not subject to backup withholding of federal taxes, and will update this information as necessary. If the proceeds of the claim are being assigned to another party, this form is not required. See below.

**Form 2 - Payment Assignment Form and Substitute IRS Form W-9**

When a Responsible Person wishes to assign the proceeds of a reimbursement application to another party, Form 2 must be filled out, signed, notarized, and submitted. The assignment applies only to the reimbursement application with which it is submitted and any Reconsideration of that application. Any check issued as result of the reimbursement application will be issued only to the party named as the assignee and mailed to the assignee's address.

**Form 3 - Multiple Owners Payment Assignment Form**

When there are multiple Responsible Persons (owners/operators), only one Responsible Person may claim the costs submitted for the cleanup. The remaining owners/operators must assign the right to reimbursement to this single claimant. A separate, signed and notarized form for each owner must be filled out and submitted with the first application.

**AAF Cost Worksheet**

After a Phase or Reimbursement Period is completed, an AAF Cost Worksheet must be submitted to claim the costs for Materials or Tasks performed. Separate worksheets must be submitted for each completed corrective action Phase or Reimbursement Period claimed in the application. The items and activities claimed on the worksheet must be listed using Task, Material, or "X" codes as described in Section 2.4.1.

**Bid Cost Worksheet**

After completing a Reimbursement Period or Phase where activities or items were obtained using bidding a Bid Cost Worksheet must be submitted to claim the costs for work completed. Items and activities claimed on the worksheet must be listed using the same Scope of Work Numbers that were listed on the Bid Summary Form.

### 3.4 WHERE TO SEND THE REIMBURSEMENT APPLICATION

Submit the original completed Reimbursement Application including the application Worksheets and the appropriate supporting documentation to:

Department of Environmental Quality  
P. O. Box 10009  
Richmond, VA 23240-0009

ATTN: Office of Spill Response and Remediation  
Claim Processing Section

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## 4.0 PROCESSING THE REIMBURSEMENT APPLICATION

### 4.1 HOW DEQ PROCESSES THE REIMBURSEMENT APPLICATION

#### 4.1.1 Application Review

After receipt of an application for reimbursement of corrective action costs, DEQ will perform the following activities:

An administrative review to determine:

1. if the applicant and the release are eligible for reimbursement;
2. if the application has been completed correctly, including all required signatures;
3. if all of the necessary forms and documentation have been submitted;
4. if the application is for a Phase(s) or Reimbursement Period(s); and

A financial review to determine:

1. the Financial Responsibility Requirement of the claimant for access to the Fund;
2. if the financial responsibility demonstration requirement has been met;
3. if the cost is reimbursable under an insurance policy;
4. if costs incurred or paid prior to the acceptable date ranges have been submitted; and
5. if acceptable invoices have been submitted.

A technical review to determine:

1. if the activities listed in the application Worksheets were verified by the Regional Office;
2. if there are any costs submitted for reimbursement that are not eligible;
3. if the costs for corrective actions are reasonable based on the appropriate UCR Schedule;
4. if the competitive bidding process was used according to procedures.

Upon completion of the reviews described above, DEQ will render reimbursement decisions based upon the information contained in the file. These reimbursement decisions will be documented and communicated to the applicant through a Reimbursement Decision package. See Section 4.2 for further explanation of DEQ decisions.

#### 4.1.2 Time Required to Process a Reimbursement Application

It is the objective of DEQ to process an application within 90 days of receipt. This processing time frame is dependent upon the completeness of the application. If an application is received but all necessary information is not included, processing of that application will be delayed.

#### 4.1.3 Delayed Processing and Rejection of Applications

There are a number of defects that can delay the processing and payment of an application, result in costs being denied, and/or the application being rejected. The following is a partial list of those defects:

1. Failure to complete all necessary forms;
2. failure to submit all required forms;
3. lack of appropriate signatures on the Reimbursement Application forms;
4. failure to provide the necessary supporting documentation for claimed costs; or
5. failure to provide a copy of any insurance policy or any other financial responsibility demonstration document covering costs incurred;
6. the Reimbursement Application and/or forms are incomplete or illegible;
7. the responsible person has not signed the Reimbursement Application;
8. the application is filed listing someone other than the responsible party as the claimant;
9. required documentation is not submitted with the Reimbursement Application;
10. Phase Cost Worksheets are not completed by Phase;
11. CAP Implementation Bid Worksheets are not completed by Reimbursement Period;
12. for a site, more than two reimbursement applications submitted in a calendar year for CAP Implementation Phase;

13. for a site, more than two reimbursement applications submitted in a calendar year for Post Site Characterization Monitoring Phase; and
14. Phases with different UCR Schedules in one reimbursement application.

Applications, which cannot be processed as submitted, will be rejected with a letter providing the reason for the rejection. To assist the claimant and ensure that all required documentation is submitted with the application, an Application Checklist has been included with this Guidance Manual in Appendix 2.

#### 4.1.4 How DEQ Handles Defective Claims




As a general rule, DEQ's processing procedures reflect a balance of customer service and processing efficiency. Any time an application is lacking documentation or improperly submitted, processing will be delayed. When DEQ finds essential information is missing, an evaluation is made to determine if the claim can be processed without the information and if so, what adverse impact the missing information will have with respect to the amount approved for reimbursement. If the claim can be processed without the missing information and the defect can be addressed through the reconsideration process, then the claim is usually processed "as is". If it is not possible to process the claim "as is", DEQ usually attempts to contact the claimant and resolve the deficiency(ies). If contacted, an applicant will have 14 days from the date of the call or letter to submit the information requested. Extensions of the 14-day deadline will not be granted. An application which does not contain all of the required information after the 14 day time frame may be rejected or processed "as is", which can result in costs being denied. In rare cases, an application may have so numerous and/or significant defects that it cannot be processed and is rejected immediately with a written explanation of the defects and what remedies are needed.

#### 4.1.5 Invoices

In order to be reimbursed for eligible corrective action expenses, an applicant must provide documentation to demonstrate that the expenses were incurred. Invoices are acceptable proof of incurred expenses. Include legible copies of invoices from the contractor or consultant who performed or managed the work. All invoices must include the following:

1. site name, or DEQ Pollution Complaint Number (PC Number), or site address,
2. contractor's invoice number,

### 3. invoice date,




Only invoices pertaining to the corrective action Phase or Reimbursement Period being claimed in the current application will be accepted. Costs omitted from previous claims are ineligible for reimbursement in subsequent claims. Likewise, invoices submitted in previous claims will not be eligible documentation for reimbursement of costs in subsequent claims. In order to reduce the risk of disqualification of costs, costs for different corrective action Phases should be invoiced separately. If possible, invoices should be structured so that costs are grouped according to task or activity.

## 4.2 DEQ REIMBURSEMENT DECISIONS

Following a reimbursement decision, DEQ will prepare a reimbursement decision package. The reimbursement decision package provides the claimant with information on the total amount of the application, the amount disallowed, the amount approved, the Financial Responsibility Requirement of the claimant, and the total amount of any previous payments. If DEQ determines that a claim should not be paid in full, the reimbursement payment decision will briefly describe the reason for denial. The check for payment of reimbursement is mailed separately and will follow the decision package in one to two weeks.

## 4.3 RECONSIDERATION PROCESS

The claimant will be given the opportunity to submit a written response indicating why costs denied on the reimbursement decision should be paid. A Reconsideration Procedure Package for filing the objection will be mailed with the reimbursement decision package.



If the claimant disagrees with the decision in the reimbursement payment package, a Notice of Intent (NOI) to object and a Reconsideration Claim Form must be submitted to DEQ within the filing deadlines specified in the Reconsideration Procedure Package. If filing deadlines are not met, the decision in the reimbursement payment package is final. This written objection must: be in the format specified in the Reconsideration Procedure Package, explain the reasons for disagreement with the decisions in the reimbursement payment package, and supply any additional supporting documentation. Upon receipt of this information and at the claimant's request, DEQ will schedule a reconsideration meeting to re-evaluate the denied costs.

### **Reconsideration Procedures**


Claimants will be given one opportunity to contest DEQ reimbursement decisions. The claimant's notification of the process to contest the DEQ reimbursement decision will be included in the reimbursement payment package. The notification will inform the claimant that:

1. if requested in the Notice of Intent, the claimant may have a conference with a technical reviewer prior to the Reconsideration meeting;
2. the claimant may appear in person or be represented by counsel or other qualified representative for the presentation of factual data, argument, or other proof in connection with the claim;
3. the meeting will be tape-recorded;
4. the claimant may contest the decision in writing (i.e., without a meeting);
5. the claimant may request copies (at claimant's expense) of the reimbursement file;
6. the claimant is required to notify DEQ in writing of their intention to contest the reimbursement decision within filing deadlines;
7. the claimant must specify in the written Notice of Intent whether the claimant seeks to contest the decision through a meeting or in writing only; and
8. within the filing deadline, the claimant must submit a written summary of the issues that will be contested using the Reconsideration Claim Form.

#### 4.4 ERRORS IDENTIFIED THROUGH THE RECONSIDERATION PROCESS

The reconsideration procedures provide DEQ the opportunity to correct certain errors. The following types of errors can be corrected.

1. Failure of the Regional Office to verify an AAF or Bid Work Progress Form which was received by the Regional Office prior to completing the verification package for the Phase or Reimbursement Period.
2. Errors the Regional Office makes in verifying an AAF or Bid Work Progress Form.
3. Failure of the claimant to submit all invoices.

 However, some types of errors cannot be corrected. It is the responsibility of the claimant and/or consultant to ensure that all application forms (AAFs, Bid Work Progress Forms, and application Worksheets) are completely and accurately filled out. Failure to exercise proper care in preparing an application may result in a denial of costs, which cannot be corrected through the reconsideration process. The following are types of errors that cannot be corrected:

1. Items omitted from the Work Performed Column of the AAF or the Bid Work Progress Form will not be eligible for reimbursement even if these items are included on the worksheet(s) of the application.
2. Items omitted from the worksheet(s) of the application will not be eligible for reimbursement.
3. Failure to limit the use of an AAF to only one Phase or Reimbursement Period.
4. No additions or revisions to the AAFs and/or the Bid Work Progress Forms will be accepted from the claimant after the Regional Office forwards the verification package to Central Office of DEQ.
5. Failure to obtain written authorization on an AAF or Bid Comparison Form.
6. Failure to claim performed work on the application Worksheets.
7. Typographical errors on the AAF in the "Proposed," "Contingent," or "Work Performed" columns.
8. Typographical errors on the Worksheets of the reimbursement application.
9. Failure to claim Task or Material item as authorized on the AAF (authorized Tasks must be claimed as Tasks; authorized Materials must be claimed as Material items).
10. Failure to claim all costs in a Phase or Reimbursement Period. (These costs are not eligible for reimbursement in subsequent claims).
11. Using one invoice in multiple claims. Invoices submitted in an application cannot be used as documentation for reimbursement of costs in subsequent claims.
12. Using Task or Material codes on an AAF or application Worksheet that are not listed on the UCR Schedule, which is in effect for the application.
13. Failure to submit to the Regional Office all supporting documentation to demonstrate the necessity of work performed which exceeds proposed and contingent units. Such documentation must be submitted before the Regional Office forwards the verification package to Central Office of DEQ.

#### 4.5 Delayed Payment of Virginia Petroleum Storage Tank Fund Claims

§ 62.1-44.34:11.A.11 of State Water Control Law requires that the Virginia Petroleum Storage Tank Fund balance be maintained at "a level sufficient to ensure that the Fund can serve as a financial responsibility demonstration mechanism for owners and operators of underground storage tanks." It further states that "Any disbursements made by the Board pursuant to subdivision 2 of this subsection may be temporarily reduced or delayed, in whole or in part, if such action is necessary, in the judgment of the Board, to maintain the Fund balance. "

The Fund balance fluctuates and may drop, due to increased claim filings and reduced revenue, to a level where it is no longer possible to pay all claims once they have been processed. When the Fund balance approaches this level, DEQ, the Comptroller, and the Department of Motor Vehicles will take the necessary steps to increase the amount of the fee collected pursuant to §62.1-44.34:13.D of State Water Control Law. During these cycles DEQ may find it necessary to implement Delayed Payment Claim Processing Procedures.

When Delayed Payment Claim Processing Procedures are implemented, claims will be processed as usual, and once completed they will be placed on a Release Request Listing. When Decision Packages are mailed out, claimants will be notified that their claim will be paid as money becomes available. Claims will be organized on the Release Request Listing in order by the week the claim was completed. For claims completed within the same week, they will be listed in order by the received date. Each month, DEQ will determine the amount of revenue received which can be made available for claim payments, and claims will be released based on their placement on the list. Claimants will receive a letter notifying them that the claim has been released, followed within seven to ten days by a check.

Once higher revenue is received, claims will be released which have been delayed in earlier months prior to releasing any current claim payments. Unfortunately, due to fluctuations in claim amounts and revenues received, it is not possible for DEQ to predict exactly how long Delayed Payment Processing will continue.

## **APPENDIX 1**

### **Definitions**

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## DEFINITIONS

The following definitions are critical to understanding this Guidance Manual and the relevant Virginia regulations. Please take a moment to familiarize yourself with these definitions.

**Aboveground Storage Tank or AST** means any one or a combination of tanks, including pipes, used to contain an accumulation of oil at atmospheric pressure, and the volume of which, including the volume of the pipes, is more than 90% above the surface of the ground. This term does not include (i) line pipe and breakout tanks of an interstate pipeline regulated under the Hazardous Liquid Pipeline Safety Act of 1979 and (ii) flow-through process equipment used in processing or treating oil by physical, biological, or chemical mean;

**Bid Scope of Work** means any combination of services, materials, personnel, equipment, and number of units specified in a bid solicitation package.

**Change Order** means any change to an approved bid scope of work.

**Corrective Action** means all actions necessary to abate, contain and clean up a release from an UST system, an exempt UST 1 and 2, a small heating oil AST, or a facility and to mitigate the public health or environmental risk from such releases. Corrective action for an UST system must be conducted in accordance with Parts V and VI of 9 VAC 25-580-10, et seq. Corrective action for an exempt UST 1 and 2, a small heating oil AST or a facility shall include the requirements for containment and clean up as defined in Virginia Code § 62.1-44.34:14 and must be conducted in accordance with Virginia Code § 62.1-44.34:18. This term also includes the provision of an alternate water supply and actions necessary to abate, contain, and clean up a release conducted on the property of a third party who is not responsible for the release. This term does not include those actions normally associated with closure, change in service, upgrade or replacement of an UST system, an exempt UST 1 and 2, a small heating oil AST, or an AST at a facility.

**Exempt UST** means an underground storage tank exempt from the requirements of Article 9 of the State Water Control Law and UST regulations. These exempt USTs are identified in clauses 1 through 9 of the definition of an underground storage tank.

**Facility** means any development or installation within the Commonwealth that deals in, stores, or handles oil, and includes ASTs. The term does not include UST systems or pipelines.

**Fund Fee** means the levy on each gallon of gasoline, aviation motor fuel, diesel fuel, dyed diesel fuel, kerosene, and heating oil sold and delivered or used in the Commonwealth.

**Interim Authorization** refers to DEQ written authorization to undertake corrective action activities prior to the approval of a Corrective Action Plan. Work authorized under Interim Authorization must be conducted and costs claimed under the CAP Implementation Phase.

**Occurrence** means an accident, including continuous or repeated exposure to conditions, which results in a release from an UST system, an exempt UST 1 and 2, a small heating oil AST or a facility. (See Section 1.3.4. for further discussion of occurrence.)

**Operator of a Facility** means any person who owns, operates, rents, or otherwise exercises control over, or responsibility for, a facility.

**Operator of an Exempt UST 1 or 2** means any person who owns, operates, rents or otherwise exercises control over, or responsibility for, an exempt UST 1 or 2.

**Operator of a Small Heating Oil AST** means any person who owns, operates, rents or otherwise exercises control over, or responsibility for, a small heating oil AST.

**Operator of an UST System** means any person in control of, or having responsibility for, the daily operation of the UST system.

**Owner of an UST System** means:

1. in the case of an UST system in use on November 8, 1984 or brought into use after that date, any person who owns an UST system used for storage, use, or dispensing of regulated substances;
2. in the case of any UST system in use prior to November 8, 1984, but no longer in use after that date, any person who owned such UST immediately before the discontinuation of its use; but
3. shall not include any person who loans money to an UST owner/operator as long as that person does not manage or operate the regulated USTs. The loan must be secured by the real estate on which the USTs are located.

**Primary Consultant** means the person or firm hired by the Responsible Person to assist with the bidding process and oversee Corrective Action Plan implementation for a site.

**Reimbursement Period** means the period of time extending from the earliest invoice date to the latest invoice date (exhibited on invoices) submitted with a CAP Implementation or Post Site Characterization Monitoring reimbursement application.

**Release** means any spilling, leaking, emitting, discharging, escaping, leaching or disposing from an UST system, an exempt UST 1 and 2, a small heating oil AST, an AST, or a facility into ground water, surface water or upon lands, subsurface soils or storm drain systems.

**Responsible Person or RP** means any person who is an owner or operator of an underground storage tank or aboveground storage tank at the time the release was reported to DEQ.

**Rolling Stock** means the wheeled, over-the road vehicles.

**Scope of Work Number** means a unique reference number, which must be established by the Responsible Person or the primary consultant, for a specific scope of work (See Bid Scope of Work).

**Small Heating Oil AST** means any aboveground storage tank with a capacity of 5,000 gallons or less, used for storing heating oil for consumption on the premises where the tank is located.

**Successful Bid** means the lowest bid received for a particular scope of work, which meets the requirements, specified in the bid solicitation package.

**Underground Storage Tank or UST** means any one or a combination of tanks (including underground pipes connected thereto) that is used to contain an accumulation of petroleum, and the volume of which (including the volume of underground pipes thereto) is 10% or more beneath the surface of the ground. This term does not include any of the following exempt USTs:

1. farm or residential tank of 1,100 gallons or less capacity used for storing motor fuel for non-commercial purposes;
2. tanks used for storing heating oil for consumption on the premises where the tank is located;
3. septic tank;
4. pipeline facility (including gathering lines):
  - a. regulated under the Natural Gas Pipeline Safety Act of 1968, or
  - b. regulated under the Hazardous Liquid Pipeline Safety Act of 1979, or
  - c. which is an intrastate pipeline regulated under state laws comparable to the provisions of the law referred to above;
5. surface impoundment, pit, pond or lagoon;
6. storm water or wastewater collection system;
7. flow-through process tank;
8. liquid trap or associated gathering lines directly related to oil or gas production and gathering operations; and

9. storage tank situated in an underground area (such as a basement, cellar, mine working, drift, shaft, or tunnel. if the storage tank is situated upon or above the surface of the floor.

The term underground storage tank or UST does not include any pipes connected to any tank which is described in subdivision 1 through 9 of this definition.

**Unit Price** means a cost expressed on a per item (unit) basis. Example: PVC pipe of a certain diameter costs \$.97 per foot.

**UST System** means an underground storage tank, connected underground piping, underground ancillary equipment, and containment system if any.

**Usual and Customary Rate Schedule or UCR Schedule** refers to the list of commonly used tasks and materials for which DEQ has established Usual and Customary Rates. Three separate UCR Schedules, which have been established for three different time periods. Each UCR Schedule has its own specific costs for Task and Material items.

## **APPENDIX 2**

### **Application Forms and Checklist**

## APPLICATION CHECKLIST

Please take a moment to complete the checklist and ensure that all of the necessary components are included in the application package. For a detailed explanation of all the forms used in a Reimbursement Application, see Section 3.0.

In every application, submit:

- ☐ Form 1 - Reimbursement Application; and
- ☐ AAF Cost Worksheet(s); and/or Bid Cost Worksheet; and
- ☐ Legible copies of all receipts for purchases and invoices from contractors and subcontractors.

In the first application for a site also submit a:

- ☐ Substitute IRS Form W-9: Request for Taxpayer Identification Number and Certification (or Form 2, if applicable see below).
- ☐ Copy of Financial Responsibility Demonstration documentation, if applicable;
- ☐ Copy of insurance policies with the declaration page and all endorsements that provide coverage for a petroleum storage tank release, if applicable; and
- ☐ Form 3 - Multiple Owners Payment Assignment Form, if applicable.

In each application with an assignee submit a:

- ☐ Form 2 - Payment Assignment Form and Substitute IRS Form W-9.

For the Phases and/or Reimbursement Periods being claimed in this application, **submit to the DEQ Regional Office:**

- ☐ AAFs with the Work Performed Column completed; (the AAF(s) should not be bound in the report); and/or
- ☐ Completed Bid Work Progress Forms; (the Bid Work Progress Forms should not be bound in the report).

Submit the original completed Reimbursement Application including the application Worksheets and the appropriate supplementary documentation to:

Department of Environmental Quality  
P.O. Box 10009  
Richmond, VA 23240-0009

ATTN: Office of Spill Response and Remediation  
Claim Processing Section

**FORM 1**  
**VIRGINIA PETROLEUM STORAGE TANK FUND**  
**REIMBURSEMENT APPLICATION**

Page 1 of 2

DEQ USE ONLY		
Claim No:	PC No:	
Fac Id No:	Date Rec'd:	
Region:	Task:	Phase:

Complete and submit with all required supporting documentation to Department of Environmental Quality, Office of Spill Response and Remediation, P.O. Box 10009, Richmond, VA 23240-0009. Type or print legibly the required information in the applicable sections below. Refer to the reverse side for instructions on how to complete the form. The application will NOT be accepted unless the Certification in Section VIII has been signed and notarized by the claimant.

<b>I. Claimant Information</b>		
A. Claimant Name:		B. Pollution Complaint Number:
C. Claimant Mailing Address:		D. City, State
E. Zip Code		
F. Claimant Telephone No. (       )	G. Claimant Fax No. (       )	H. Regional Office Handling Case
I. Contact Person for Reimbursement	J. Contact Person Telephone No. (       )	K. Contact Person Fax No. (       )

<b>II. Site Information</b>		
A. Site Name		B. Site Location
C. City, State		D. Zip Code
E. Site Contact	F. Site Telephone No. (       )	G. Site Fax No. (       )

<b>III. Insurance Information</b>	
A. Do you have insurance that would cover a petroleum storage tank release?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No
If you answered "Yes" to the above question, you are required to submit a complete copy of the text, endorsements, and declarations page of the above referenced insurance policy (ies). DEQ will NOT review your claim until you submit a complete copy of the policy (ies).	

<b>IV. Financial Responsibility Demonstration Requirement (Refer to section 1.2.8 in the Reimbursement Guidance Manual)</b>	
A. Were or are you required to demonstrate financial responsibility on the date the release was discovered?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No
If you answered "Yes", please attach the necessary documentation.	

<b>V. Statement Of Costs</b>	
A. Are all cleanup activities at the site named above complete?	C. Total costs claimed for reimbursement in this Application
<input type="checkbox"/> Yes <input type="checkbox"/> No	\$ _____
B. Will additional reimbursement applications for cleanup costs incurred at the site named above be submitted?	
<input type="checkbox"/> Yes <input type="checkbox"/> No	

<b>VI. UST Annual Gallonage - DO NOT COMPLETE FOR HOME HEATING OIL TANKS</b>	
The total number of gallons pumped, during the year prior to the release <sup>(1)</sup> , through all regulated underground storage tanks the claimant owns or operates in the Commonwealth of Virginia. Check only one box.	
<input type="checkbox"/> Less than 600,000 gallons	<input type="checkbox"/> Between 1,800,001 and 2,400,000 gallons
<input type="checkbox"/> Between 600,000 and 1,200,000 gallons	<input type="checkbox"/> More than 2,400,000 gallons
<input type="checkbox"/> Between 1,200,001 and 1,800,000 gallons	
<small><sup>(1)</sup> The year prior to the release can be any consecutive 12-month period, which starts no more than 24 months prior to the release report date, and ends no later than the release report date.</small>	

## INSTRUCTIONS FOR COMPLETING THE REIMBURSEMENT APPLICATION – Page 1

Fill in the following information

### Block I. Claimant Identification

- A. Claimant's name: The petroleum storage tank owner/operator whom DEQ has designated the Responsible Person for the cleanup is the claimant. This person may be an individual, a business entity (e.g. partnership or corporation) or a government agency. Only one claimant may submit and only one application may be submitted, for costs incurred for any complete corrective action Phase or Reimbursement Period. The claimant named in this section will be considered the person or entity that will receive all original correspondence and will be named as the payee on the reimbursement checks unless a Payment Assignment Form has been completed.

Where there are multiple Responsible Persons (owners/operators), only one Responsible Person may claim the costs submitted for the cleanup (for example a husband and wife). The remaining owners/operators must assign the right to reimbursement to this single claimant by using the Multiple Owners Payment Assignment Form.

- B. Provide the Pollution Complaint Number (PC#) assigned by the DEQ for this site for which costs are being claimed.
- C. D. E. Provide the claimant's current mailing address; including the city, state, and zip code.
- C. List the telephone number, including area code, for the claimant.
- D. Provide the fax number, including area code, for the claimant.
- E. Provide the name of the Regional Office handling case. See Appendix 8 of the Reimbursement Guidance Manual for a map of DEQ Regional Office boundaries.
- F. Provide the name of a person who can answer questions about the application.
- G. List the telephone number, including area code, where the person can be reached.
- H. Provide the fax number, including area code, for the person.

### Block II. Site Identification

- A. Provide the site name where the release occurred. The site name can be any name by which the release location is generally known.
- B. C. D. List the site's location (street name), including the city, state, and zip code.
- E. Provide the name of a person who can answer site cleanup questions.
- F. List the telephone number, including area code, where the person can be reached.
- G. Provide the fax number, including area code, for a fax machine located at the site.

### Block III. Insurance Information

Check the box indicating whether or not you have an insurance policy that will fully or partially pay for cleanup of the site. If "Yes" is checked, submit a complete copy of the insurance policy (ies), with the declarations page and all endorsements.

### Block IV. Financial Responsibility Demonstration Requirement

Only regulated UST owners/operators are required to demonstrate financial responsibility. When submitting a reimbursement application, the demonstration document for the year in which the release occurred should be attached. If demonstration was not required at the time of the release or if this documentation was not prepared, the current Financial Responsibility documentation must then be attached. See Section 1.2.8 of the Reimbursement Guidance Manual for further explanation.

### Block V. Statement of Costs

- A. Check whether or not the corrective action activities for the site have been completed
- B. Check whether or not additional reimbursement claims for this site will be submitted.
- C. Enter the total costs being claimed for the completed corrective action Phase(s) and/or Reimbursement Period(s) identified on the application Worksheets submitted in this application.

### Block VI. UST Annual Gallonage

Complete this section for releases from the following types of USTs:

Regulated,

Excluded,

Deferred,

Partially Deferred,

Heating Oil USTs with a storage capacity greater than 5,000 gallons where the release occurred prior to July 1, 1996.

Do not complete this section for releases from the following types of USTs:

Heating Oil USTs with a storage capacity of less than 5,000 gallons where the release occurred prior to July 1, 1996 (this includes home heating oil tanks).

Heating Oil USTs of any size where the release occurred after July 1, 1996.

Residential or farm use motor fuel tanks with a capacity of 1,100 gallons or less.

**FORM 1**  
**VIRGINIA PETROLEUM STORAGE TANK FUND**  
**REIMBURSEMENT APPLICATION**

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**VII. AST Storage Capacity - DO NOT COMPLETE FOR HOME HEATING OIL TANKS**

A. Are the net annual profits for this operation less than or equal to \$10 million? (Check One)

☐

Yes

☐

No

1. If you indicated "Yes" to the question above, please complete the following:

The number of gallons of storage capacity for all ASTs at THIS facility at the time the discharge was reported to the Department of Environmental Quality was \_\_\_\_\_

2. If you indicated "No" to the question above, please complete the following:

The number of gallons of storage capacity for all this operator's ASTs at ALL Virginia facilities at the time the discharge was reported to the Department of Environmental Quality was \_\_\_\_\_

B. This facility is in compliance with all applicable statutes or regulations governing reporting, prevention, and containment and cleanup of a discharge of oil.

C. This release was from an AST containing a product (including gasoline, diesel fuel, kerosene, and heating oil) subject to the fee charged by the Commonwealth of Virginia under Statute 62.1-44:34.13 of State Water Control Law.

**VIII. Certification**

I hereby certify that:

1. This is the one and only Reimbursement Application that will be submitted for the completed corrective action Phase(s) and/or Reimbursement Periods identified on the worksheets submitted in this application.
2. Under penalty of perjury, all costs claimed in this application were incurred by me to cleanup this release and all data and documentation submitted as part of this application are true and correct.
3. I understand that items inadvertently or otherwise omitted from the application will NOT be accepted by DEQ after the reimbursement decision package has been issued.
4. I understand that I am required by law to pay a financial responsibility requirement before I am eligible for reimbursement, and I agree to pay DEQ on demand, any remaining financial responsibility requirements.
5. I agree to grant DEQ and its contractor(s) reasonable access to the contaminated site.
6. I am responsible for immediately notifying DEQ in writing should any information change on any pending claim.
7. I am the owner/operator whom DEQ has designated as the Responsible Person for the cleanup of this site.

\_\_\_\_\_  
Print Claimant's Name

/s/

\_\_\_\_\_  
Claimant's Signature

\_\_\_\_\_  
Date

**IX. Notary**

State of \_\_\_\_\_ }

} ss:

County or City of \_\_\_\_\_ }

Subscribed and sworn before me by \_\_\_\_\_ on this \_\_\_\_\_ day of \_\_\_\_\_

/s/

\_\_\_\_\_  
My commission expires

**FORM 2**

Virginia Petroleum Storage Tank Fund (VPSTF)

**PAYMENT ASSIGNMENT FORM and****SUBSTITUTE IRS FORM W-9****Request for Taxpayer Identification Number and Certification**

This form is for use by claimants who wish to assign their reimbursement payment to another party. A notarized original of this form must be submitted with each reimbursement application for which the claimant wishes to assign the payment to another party. All assignments are subject to the approval of DEQ.

Pollution Complaint No: \_\_\_\_\_

DEQ Use Only: Task/Phase \_\_\_\_\_ / \_\_\_\_\_

**Part I: Claim Assignment (must be completed by Claimant)**

Claimant Name: \_\_\_\_\_

Party to Receive Payment:

Name: \_\_\_\_\_

Total Costs Claimed in this Application: \$ \_\_\_\_\_

Address \_\_\_\_\_

Contact Name/Telephone of Assignee: \_\_\_\_\_

City: \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

By signing below, I:

1. Assign the Virginia Petroleum Storage Tank Fund payment for the above-referenced claim and any reconsideration of that claim to the Assignee designated above.
2. Warrant and represent that I am the claimant, or in claims in which the claimant is not an individual, that I have the authority to assign this payment on behalf of the claimant.
3. Agree that the assignment by this form applies only to the reimbursement claim with which it is submitted and any reconsideration of that claim.
4. Agree that use of this form does not transfer my liability for corrective action and/or third party claims.
5. Agree that any check issued as a result of this reimbursement claim will be issued only to the name of the party designated as the assignee on this form.
6. Agree that if the check is issued to the claimant rather than the party designated as assignee on this Assignment Request Form, I bear the responsibility for transferring the payment to the assignee.

Claimant Signature \_\_\_\_\_

Date \_\_\_\_\_

**THIS STATEMENT MUST BE NOTARIZED**

State of \_\_\_\_\_

ss: \_\_\_\_\_

City/County of \_\_\_\_\_

Subscribed and sworn to before me by \_\_\_\_\_

on this \_\_\_\_\_

day of \_\_\_\_\_

/s/ \_\_\_\_\_

My commission expires \_\_\_\_\_

**Part II IRS Information (must be completed by Assignee)**

Please provide the Federal ID number of the Assignee named above and sign the certification below:

**Check Only One**

- ☐ Corporation .....
- ☐ Partnership .....
- ☐ Trust or Estate .....
- ☐ Limited Partnership .....
- ☐ Limited Liability CO .....
- ☐ Sole Proprietor .....
- ☐ \*Individual .....
- ☐ Other (specify): \_\_\_\_\_

**Social Security Number**

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Not Applicable

**Employer Identification Number**

or \_\_\_\_\_

Not Applicable

or \_\_\_\_\_

*If \*Individual is checked and you are engaged in a trade or business, you are certifying that expenses associated with site remediation being claimed for reimbursement are in no way related to your business.*

**CERTIFICATION:****Under penalties of perjury, I certify that:**

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding or (b) I have not been notified by the Internal Revenue Service that I am subject to backup withholding as a result of failure to report all interest or dividends or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am responsible for updating/revising the above information should any information change on any pending claim.

Claim Assignee Signature \_\_\_\_\_

Date \_\_\_\_\_

### FORM 3

#### Virginia Petroleum Storage Tank Fund

#### MULTIPLE OWNERS PAYMENT ASSIGNMENT FORM

An application may not be submitted to the Virginia Petroleum Storage Tank Fund by an individual or entity who does not have sole (100%) ownership of the releasing tank unless this form is included as part of the application. For a multiple owner tank, each owner or entity must complete, sign, and notarize a separate Multiple Owners Payment Assignment Form. If all owners do not complete, sign, and notarize a separate form, the application will not be processed. All assignments are subject to the approval of DEQ.

Owner Name: \_\_\_\_\_ Pollution Complaint Number (PC #): \_\_\_\_\_

Release Site Name: \_\_\_\_\_ Facility ID Number: \_\_\_\_\_

Release Site Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Assignee's Name (Agent for the Owner) \_\_\_\_\_

Assignee's SSN: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ or Federal Employer Tax ID Number: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

#### ASSIGNMENT CERTIFICATION

Being duly sworn, I \_\_\_\_\_, certify that I am an owner of the petroleum tank located at the above named site.

I assign to \_\_\_\_\_, all rights, title, and interest which I may receive for reimbursement for reasonable and necessary costs incurred to clean up a release from a petroleum storage tank from the Virginia Petroleum Storage Tank Fund under § 62.1-44.34:11 of the Code of Virginia and § 21 of 9 VAC 25-590-10, et seq.

I agree that this assignment for reimbursement or justification of costs does not constitute an assignment of liability for a petroleum release at the below referenced site under federal, state, or local laws.

\_\_\_\_\_  
Owner Signature

\_\_\_\_\_  
Date

#### THIS STATEMENT MUST BE NOTARIZED

State of \_\_\_\_\_ }  
\_\_\_\_\_ } ss:

City/County of \_\_\_\_\_ }

Subscribed and sworn to before me by \_\_\_\_\_ on this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

/s/ \_\_\_\_\_ My commission expires \_\_\_\_\_

Virginia Petroleum Storage Tank Fund

**SUBSTITUTE IRS FORM W-9**  
**Request for Taxpayer Identification Number and Certification**

Each person or organization receiving reimbursement from the VPSTF must provide the following information. Check will be made payable to the Responsible Person listed below unless claim payment has been assigned (see box below).

Pollution Complaint No: \_\_\_\_\_

DEQ Use Only: Task/Phase \_\_\_\_\_ / \_\_\_\_\_

**Name of Responsible Person** \_\_\_\_\_

*(Must be the name associated with the SSN or EIN you are providing below.)*

**Mailing Address** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Contact Name/Telephone** \_\_\_\_\_ / \_\_\_\_\_

Check Only One

- ☐ Corporation .....
- ☐ Partnership .....
- ☐ Trust or Estate .....
- ☐ Limited Partnership .....
- ☐ Limited Liability CO .....
- ☐ Sole Proprietor .....
- ☐ \*Individual .....
- ☐ Other (specify): \_\_\_\_\_

Social Security Number

Not Applicable  
 Not Applicable  
 Not Applicable  
 Not Applicable  
 Not Applicable

Employer Identification Number

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

or

Not Applicable

or

*If \*Individual is checked and you are engaged in a trade or business, you are certifying that expenses associated with site remediation being claimed for reimbursement are in no way related to your business. (Consult a tax professional if you need assistance in making this determination.)*

**CERTIFICATION:**

**Under penalties of perjury, I certify that:**

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding or (b) I have not been notified by the Internal Revenue Service that I am subject to backup withholding as a result of failure to report all interest or dividends or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am responsible for updating/revising the above information should any information change on any pending claim.

Claimant Signature \_\_\_\_\_

Date \_\_\_\_\_

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## **APPENDIX 3**

### **Application Worksheets**

PC#:

Type or print legibly all required information in the sections below. Use this Worksheet to claim costs for Tasks and Materials listed on an Activity Authorization Form (AAF). AAF costs for each corrective action Phase or Reimbursement Period must be listed on separate cost worksheets. List claimed costs by Task or Material Code. Refer to the reverse side of this sheet for instructions on how to complete this form.

**All costs on this worksheet are for the following Corrective Action Phase (Check only one):**

- |                          |                                |                          |                                    |                          |   |
|--------------------------|--------------------------------|--------------------------|------------------------------------|--------------------------|---|
| <input type="checkbox"/> | Release Investigation          | <input type="checkbox"/> | Phase II Initial Abatement         | <input type="checkbox"/> | Post SCR Monitoring Reimbursement Period: from _____ to _____ |
| <input type="checkbox"/> | Initial Abatement              | <input type="checkbox"/> | Corrective Action Plan Development |                          |   |
| <input type="checkbox"/> | Site Characterization          | <input type="checkbox"/> | Corrective Action Plan Addendum    | <input type="checkbox"/> | CAP Implementation Reimbursement Period: from _____ to _____  |
| <input type="checkbox"/> | Site Characterization Addendum | <input type="checkbox"/> | Site Closure                       |                          |   |

[illegible]

## Instructions for Completing the AAF Cost Worksheet

---

### If you are claiming the costs for a Task:

- Task Code:** In this column, enter the code that corresponds to the Task from the Task UCR Schedule. Refer to the UCR Schedule to obtain the appropriate code. This code **must** correspond to a code on the AAF with the Work Performed column completed.
- Number of Units:** In this Column, enter the total number of units being claimed for the Task in this Phase or Reimbursement Period.
- Unit Type:** In this column, enter the unit for the Task e.g., hour, ton, sq. ft. Refer to the Unit description in the UCR Schedule for the correct units.
- Description of Tasks Performed:** In this column, enter a description of the Task being claimed. Use the heading found in bold letters on the Task Description list in the UCR Schedule.
- Contractor Name:** In this column, enter the contractor's name that appears on the invoice for the costs being claimed.
- Invoice Number:** In this column, enter the invoice number for the costs being claimed.
- Invoice Date:** In this column, enter the date from the invoice for the costs being claimed.
- Cost Invoiced:** In this column, enter the total costs from the invoice that are being claimed as all or part of the Task.

---

### If you are claiming the costs for a Material:

- Material Code:** In this column, enter the code that corresponds to the Material from the UCR Schedule. Refer to the UCR Schedule to obtain the appropriate code. This code **must** correspond to a code on the AAF with the Work Performed column completed. Material Items that do not have a Material UCR code must be assigned a three-digit code beginning with "X". For each site, "X" codes must be unique, begin with X001, and be sequential. For example, X001, X002, X003,....
- Number of Units:** In this Column, enter the total number of units being claimed for the Activity in this Phase or Reimbursement Period.
- Unit Type:** In this column, enter the unit for the Material e.g., hour, ton, sq. ft. Refer to the UCR Rate Schedule for the correct units.
- Description of Tasks Performed:** In this column, enter a description of the activity being claimed. Use the same description of the activity that the regional office used on the AAF. All Materials used for an activity should have the same description.
- Contractor Name:** In this column, enter the contractor's name that appears on the invoice for the costs being claimed.
- Invoice Number:** In this column, enter the invoice number for the costs being claimed.
- Invoice Date:** In this column, enter the date from the invoice for the costs being claimed.
- Cost Invoiced:** In this column, enter the actual invoiced amount for the Item being claimed

## PC#:

Type or print legibly all required information in the sections below. Use this Worksheet to claim costs for bid costs listed on the Bid Work Progress Form. Bid costs for each corrective action Phase or Reimbursement! Period must be listed on separate Bid Cost Worksheets. List claimed costs by Scope of Work Number. Refer to the reverse side of this sheet for instructions on how to complete this form.

All costs on this worksheet are for the following Corrective Action Phase (Check only one):

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Release Investigation          | <input type="checkbox"/> Phase II Initial Abatement         | <input type="checkbox"/> Post SCR Monitoring Reimbursement Period: from _____ to _____ |
| <input type="checkbox"/> Initial Abatement              | <input type="checkbox"/> Corrective Action Plan Development |  |
| <input type="checkbox"/> Site Characterization          | <input type="checkbox"/> Corrective Action Plan Addendum    | <input type="checkbox"/> CAP Implementation Reimbursement Period: from _____ to _____  |
| <input type="checkbox"/> Site Characterization Addendum | <input type="checkbox"/> Site Closure                       |  |

[illegible]

# Instructions for Completing the Bid Cost Worksheet

## Background

Submit this worksheet to the DEQ Reimbursement Central Office as part of the reimbursement claim. This worksheet is necessary to process all bid costs claimed during the Reimbursement Period or Phase.

**Note: This form is only for work that was bid. The AAF Cost Worksheet must be used for all work for which bids were not received.**

## Instructions

*Reimbursement Period from \_\_\_\_ to \_\_\_\_:* The period of time extending from the earliest dated invoice to the latest dated invoice submitted with the application.

*Scope of Work Number:* In this column, list the number for the scope of work. **This scope of work number must match the scope of work number listed on the Bid Summary Form.**

*Scope of Work:* In this column, provide a summary of the scope of work for each bid. This may include personnel time, equipment, and materials.

*Primary Consultant Invoice Number:* List the number from the primary consultant's invoice for the scope of work.

*Subcontractor Invoice Number:* List the number from the subcontractor's invoice for the scope of work.

*Primary Consultant Invoice Date:* Enter the date from the primary consultant's invoice for the costs being claimed. For subcontractor work that is billed directly to the claimant, enter the subcontractor's invoice date for the work.

*Amount Claimed for Work Performed:* Enter the costs incurred for each scope of work during this Reimbursement Period or Phase, including primary consultant markup.

## Attachments Required:

Both primary consultant and subcontractor invoices must be submitted to support costs claimed for work performed.

**APPENDIX 4**  
**Personnel Descriptions**

### Professional Personnel Task Descriptions

The table below is a listing of the professional classifications and their associated tasks and is used to evaluate costs claimed for reimbursement from the Fund. In order to evaluate professional charges, the tasks, which were performed by the claimed personnel, will be used to determine the appropriate professional classification and the rate at which the personnel will be reimbursed. The "Typical qualifications" listed under the personnel title are to be used for informational purposes only and will not be used as a basis for determining the rate for reimbursement. It is recognized that there may be circumstances, which require personnel of a higher classification to perform tasks of a lower level professional. In these cases, justification may be required prior to approval; particularly where over-qualified staff is consistently used to perform lower level professional tasks.

Professional Classification	Tasks and Responsibilities
<p>Principal (Principal Engineer/Geologist)</p> <p>Typical qualifications: advanced degree and/or related professional registration.</p>	<p>Acts as administrative and/or professional head of company with authority and responsibility to negotiate and sign contracts, conceive and execute plans and direct professional staff. Normally has a financial interest in the company as partial owner, investor, or stockholder. May charge a limited (less than 5%) number of hours to a project or program. May serve as technical expert or coordinator of large or technically challenging projects and provide final review of project documents, which legally bind the company. The principal should very rarely bill field time at the principal's regular hourly rate.</p> <p>» Negotiate, review, execute contracts  » Oversee large and complex projects  » Limited review of technical reports and new technologies</p>
<p>Senior Level Professional</p> <p>Typical qualifications: advanced degree and/or applicable professional registration (geology or engineering).</p>	<p>Duties typically include developing strategies, contract meetings with clients and developing contract cost estimates. Responsible for final review/approval of designs, reports, plans and specifications before submittal to client or regulatory agency. Has experience in technical and/or managerial roles and has substantial expertise in remediation of complex or large sites. May supervise or direct the work of lower level professional staff. Performs limited fieldwork, but is involved in the more technical aspects of design and final reporting.</p> <p>» Oversee large and complex projects  » Prepare proposals  » Final approval of technical reports and remedial action plans  » Data review and analysis</p>
<p>Project Manager</p> <p>Typical qualifications: BA/BS degree in engineering, geology, or other related science and 4-7 years of applicable experience.</p>	<p>Has responsibility for managing entire remediation projects, estimating costs within the project and controlling project budgets. Identifies and develops approaches for site remediation. Serves as on-sight technical expert. Analyzes and interprets data, supervises hydraulic tests, and may prepare limited or technical sections of reports. Supervises the work of lower level professional and technical staff. Field hours are normally limited to periodic site visits.</p> <p>» Project management  » Report review  » Report preparation  » Develop and oversee project budget  » Data review and analysis  » Field work planning  » Work plan preparation  » On-site direction, coordination, and management  » Coordinate with agency, client, and subcontractors  » Equipment specification review, selection, and design  » Periodic site inspection  » Acquire site access  » Hydrogeologic and contaminate modeling</p>

Professional Classification	Tasks and Responsibilities
<p>Mid-Level Professional</p> <p>Typical qualifications: mid-level position; BA/BS degree in engineering, geology, or other related science and 2-5 years of applicable experience.</p>	<p>Implements field work, gathers technical and hydrogeologic information. Prepares cost estimates for project sub-tasks, workplans, and reports (IA, SCR, CAP, etc.). Provides on-site technical support. Typically works under supervision when performing complex analyses and tasks related to remediation system design. May supervise lower level professionals and technical personnel during drilling or site remediation activities (over-excavation, tank removal, etc.). Substantial number of hours is typically for field work.</p> <ul style="list-style-type: none"> <li>» Report preparation</li> <li>» Field work preparation and planning</li> <li>» Monitoring activities</li> <li>» Remediation system installation</li> <li>» Site reconnaissance and mapping</li> <li>» Supervise UST removal, soil removal and other on-site remediation activities</li> <li>» Waste characterization</li> <li>» Acquire site access</li> <li>» Assist in modeling and data analysis</li> </ul>
<p>Junior Level Professional</p> <p>Typical qualifications: entry level professional position; BA/BS degree in engineering, geology, or other related science and 0-2 years of applicable experience.</p>	<p>Works under appropriate supervision when performing all but routine field tasks related to the project. Performs monitoring well installation and sampling. Writes field notes, aids in geological mapping, and basic geological analysis. Writes reports only under supervision/review. Performs limited data review and analysis. May supervise lower level technical personnel. Substantial number of hours is typically for field work.</p> <ul style="list-style-type: none"> <li>» Field work preparation</li> <li>» Limited data review and analysis</li> <li>» Remediation system installation</li> <li>» Oversee soil boring and monitoring well installation</li> <li>» Perform infield sampling and documentation</li> <li>» Monitoring activities</li> <li>» Site reconnaissance/mapping</li> <li>» Acquire site access</li> <li>» Waste characterization</li> <li>» Supervise site assessment activities</li> </ul>
<p>Technician III</p> <p>Typical qualifications: high school diploma or Associate degree, or certified or licensed tradesman typically required; 3-5 years of related experience.</p>	<p>Responsible for on-site supervision of installation, maintenance, and repair of machinery and equipment and routine sampling activities. Maintains field logs and documentation of monitoring and maintenance of machinery and equipment. May supervise other technicians and/or lower level professionals. Works under appropriate supervision. Substantial number of hours is typically for field work.</p> <ul style="list-style-type: none"> <li>» Field work preparation</li> <li>» Supervises field activities</li> <li>» Operation and maintenance of equipment</li> <li>» Well development</li> <li>» Remediation system installation</li> <li>» Waste handling</li> <li>» Sampling and monitoring</li> <li>» Decontamination</li> <li>» Maintains field/sampling logs</li> <li>» Maintains equipment maintenance records</li> </ul>

Professional Classification	Tasks and Responsibilities
<p>Technician II</p> <p>Typical qualifications: high school diploma or trade school degree typically required; 2-4 years of job related training.</p>	<p>Performs routine labor tasks related to on-site installation, maintenance, and repair of machinery and equipment. Performs routine tasks such as soil and ground water monitoring, well bailing, etc. Substantial number of hours is typically for field work.</p> <ul style="list-style-type: none"> <li>» Field work preparation</li> <li>» Operation and maintenance of equipment</li> <li>» Well development</li> <li>» Remediation system installation</li> <li>» Waste handling</li> <li>» Sampling and monitoring</li> <li>» Decontamination</li> </ul>
<p>Technician I</p> <p>Typical qualifications: high school diploma or trade school degree typically required; 0-2 years of job related experience.</p>	<p>Entry level position, which requires close supervision for all but most routine activities. Performs routine labor tasks related to on-site installation, maintenance, and repair of machinery and equipment. Substantial number of hours billed is typically for field work.</p> <ul style="list-style-type: none"> <li>» Field work preparation</li> <li>» Operation and maintenance of equipment</li> <li>» Well development</li> <li>» Remediation system installation</li> <li>» Waste handling</li> <li>» Sampling and monitoring</li> <li>» Decontamination</li> </ul>
<p>CAD Operator</p> <p>Typical qualifications: BA/BS in cartography; experienced in Computer Assisted Design operations and/or AutoCAD.</p>	<p>Generates new drawings, maps, and plans. Interacts with all levels of professional and technical staff.</p> <ul style="list-style-type: none"> <li>» Generate new drawings</li> <li>» CAD work</li> <li>» Cartography</li> <li>» Interpolate ground water contour maps</li> <li>» Advanced drafting</li> <li>» Iso-concentration maps</li> </ul>
<p>Draftsperson</p> <p>Typical qualifications: may have some experience in computer assisted design operations.</p>	<p>Performs entry to mid-level drafting and edits existing drawings.</p> <ul style="list-style-type: none"> <li>» Mid level drafting</li> <li>» Reproduce maps</li> <li>» Label designs and drawings</li> <li>» Organize maps and drawings</li> <li>» Draft boring logs</li> <li>» Draft iso-concentration maps</li> </ul>

Professional Classification	Tasks and Responsibilities
Clerical	<p>Performs general office work including typing, word processing, document reproduction, filing, labeling, spreadsheets, mailing and drafting transmittal correspondence.</p> <ul style="list-style-type: none"><li>» Typing</li><li>» Document reproduction</li><li>» Report generation</li><li>» Filing</li><li>» Word processing</li><li>» Mailing</li><li>» Spreadsheets</li><li>» General secretarial duties</li></ul>

**APPENDIX 5**  
**Contaminated Soil Amounts for UST Removal**

### Contaminated Soil Amounts for UST Removal

UST Capacity	UST Dimensions	UST Displacement	UST Excavation	Maximum Soils Excavation
gallons	feet	cubic yards	feet, W x L x H	cubic yards / tons
Up to 550	4 x 6	2.7	7 x 12 x 7	19 / 28.5
1000	4 x 11	5	7 x 17 x 7	26 / 39
2000	5.5 x 12	9.9	8.5 x 18 x 8.5	38 / 57
3000	5.5 x 18	14.8	8.5 x 24 x 8.5	49 / 73.5
4000	5.5 x 24	19.9	8.5 x 30 x 8.5	60 / 90
5000	8 x 13	24.7	11 x 19 x 11	60 / 90
6000	8 x 16	29.6	11 x 22 x 11	69 / 103.5
8000	8 x 21	39.5	11 x 27 x 11	82 / 123
10000	8 x 27	49.4	11 x 33 x 11	99 / 148.5
12000	8 x 32	59.3	11 x 38 x 11	111 / 166.5
15000	10.5 x 24	74	13.5 x 30 x 13.5	129 / 193.5
20000	10.5 x 31	98.8	13.5 x 37 x 13.5	151 / 226.5
25000	10.5 x 38.75	124.2	13.5 x 45 x 13.5	180 / 269
30000	11.5 x 40	153.8	14.5 x 46 x 14.5	204 / 306

Note: Contaminated soil loading, hauling, treatment, disposal, and backfilling the excavation is eligible for reimbursement for UST removal at confirmed released sites. The amount approved by the Regional Office cannot exceed the quantities listed above unless the Regional Office determines additional quantities are necessary to mitigate hazards at the site.

**Assumptions:**

1. Dimensions are for standard sti-P3 single-walled UST.
2. Displacement = capacity x 1 cubic foot (7.5 gallons) x 1 cubic yard (27 cubic feet).
3. Excavation dimensions assume top of UST is three feet below grade. Three feet of clearance is allowed for on both ends and one side. The excavation depth is equal to the bottom of the UST.
4. Maximum soils excavated = excavation - displacement of the tank.
5. Maximum soils excavated are for a single UST only. It is expected, in excavations containing more than one UST, that removal will proceed toward the void created by the previous UST and that less material will be generated per UST.
6. A multiplication factor of 1.5 was used to convert cubic yards to tons.

**APPENDIX 6**  
**Activity Authorization Forms**

Virginia Department of Environmental Quality  
**Petroleum Cleanup**



# Activity Authorization Form for 198 UCRs

PC #: \_\_\_\_\_ Site Name: \_\_\_\_\_ Consultant: \_\_\_\_\_

Regional Office: \_\_\_\_\_ RP/Consultant's Phone No.: ( ) \_\_\_\_\_ Fax No.: ( ) \_\_\_\_\_

**Check only one Phase below:**

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Release Investigation          | <input type="checkbox"/> Phase II Initial Abatement            | <input type="checkbox"/> CAP Addendum       |
| <input type="checkbox"/> Initial Abatement              | <input type="checkbox"/> Post Site Characterization Monitoring | <input type="checkbox"/> CAP Implementation |
| <input type="checkbox"/> Site Characterization          | <input type="checkbox"/> CAP Development                       | <input type="checkbox"/> Site Closure       |
| <input type="checkbox"/> Site Characterization Addendum |  |   |

## Activity Authorization Form for 198 UCRs

**To use this form, the Phase or Reimbursement Period must have started on or after January 1, 1998.**

**Costs for Work Performed units on this AAF which started before January 1, 1998 will be denied.**

**Note: Approval of work is not DEQ approval of reimbursable costs.**

Proposed Units	Contingent Units	Work Performed	DEQ Verified Units	Unit Type	Code	Task	Comments
				Hour	T001	Free Phase Product Removal Using a Vacuum Truck	
				Hour	T002	Monitor for Vapor Hazards	
				Blower	T003	Emergency Mitigation of Vapor Hazards - Set-Up	
				Day per Blower	T004	Emergency Mitigation of Vapor Hazards-Operation and Maintenance	
				Hour	T006	Free Product (Liquid Phase) Recovery from a Monitoring Well - Manual	
				Foot of Boom	T007	Install Boom in Surface Waters	
				Week	T008	Bottled Water with Bottled Water Dispenser	
				Ton	T012	Soil Treatment at an Incineration or Bioremediation Facility	

RP Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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DEQ Initial: \_\_\_\_\_

Date: \_\_\_\_\_

Effective: 1/1/98 (Rev. 1/17/00)

				Ton	T013	Petroleum Contaminated Soil Disposal at a Landfill	
				Site	T014	Site Reconnaissance/Initial Site Map	
				Tank System	T015	Underground Storage Tank System Tightness Testing for Leak Confirmation	
				Gallon	T017	Free Product/Contaminated Water Disposal	
				Hour	T018	Boom Inspection	
				Foot of New Boom	T019	Boom Replacement	
				Day	T021	Site History Research	
				Survey	T022	Subsurface Line Location Prior to Drilling and Excavation	
				Mob / Demob	T023	Drill Rig Mob/Demob	
				Linear Foot	T024	Soil Boring with Drill Rig - 5 foot Sampling Interval	
				Linear Foot	T025	Monitoring Well Installation - Two-Inch Diameter	
				Linear Foot	T026	Monitoring Well Installation - Four-Inch Diameter	
				Linear Foot	T027	Recovery Well Installation - Six-Inch Diameter	
				Hour	T028	Logging Soil Borings	
				Sample	T030	Soil Sampling	
				Well	T031	Monitoring Well Sampling - Two-Inch Diameter	
				Well	T032	Monitoring Well Sampling - Four-Inch Diameter	
				Hour	T033	Survey - Monitoring Wells/Recovery Wells	

RP Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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DEQ Initial: \_\_\_\_\_

Date: \_\_\_\_\_

Effective: 1/1/98 (Rev. 1/17/00)

				Hour	T034	Survey - Property	
				Agreement	T035	Site Access Agreement	
				Round Trip per Piece of Equipment	T036	Heavy Equipment Mob/Demob	
				Ton	T038	Debris Disposal	
				5% of Reimbursed Costs	T040	General Site Management	
				Hour	T041	Well Rehabilitation	
				Cubic Yard	T042	Backfilling	
				Square Foot	T047	Reseeding < 1 Acre	
				Square Foot	T048	Reseeding > or = 1 Acre	
				Survey	T049	Receptor Survey	
				Sample Point	T050	Soil Gas Survey	
				Day	T051	Direct Push Technology (DPT) - Ground Water/Soil Survey	
				Hour	T052	Ground Penetrating Radar (GPR)	
				Hour	T053	Slug Test	
				Hour	T058	Terrain Conductivity	
				Phase or Reimbursement Period	T064	Reimbursement Claim Preparation	
				Day	T065	50-250 CFM Dual Phase Extraction Pump and Power Supply System	
				Day	T066	250-500 CFM Dual Phase Extraction Pump and Power Supply System	

RP Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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DEQ Initial: \_\_\_\_\_

Date: \_\_\_\_\_

Effective: 1/1/98 (Rev. 1/17/00)

				Day	T067	500-850 CFM Dual Phase Extraction Pump and Power Supply System	
				Day	T068	Dual Phase Extraction Treatment Assembly (Up to 12 GPM)	
				Mob/Demob	T069	Dual Phase Extraction System Mob/Demob	
				Ton	T070	Soil Loading - Up to 2,200 Tons	
				Ton	T071	Soil Loading - More than 2,200 Tons	
				Cubic Yard	T072	Excavating/Trenching	
				Cubic Yard	T073	Bulk Excavating	
				Cubic Yard	T074	Hand Excavating	
TN	TN	TN	TN	Ton/Mile	T075	Soil Hauling < 75 Tons the First 100 Miles (use T076 for additional miles > first 100)	
MI	MI	MI	MI				
TN	TN	TN	TN	Ton/Mile	T076	Soil Hauling < 75 Tons Over 100 (use only when miles > 100 in T075)	
MI	MI	MI	MI				
TN	TN	TN	TN	Ton/Mile	T077	Soil Hauling > 75 Tons the First 100 Miles (use T078 for additional miles > first 100)	
MI	MI	MI	MI				
TN	TN	TN	TN	Ton/Mile	T078	Soil Hauling > 75 Tons Over 100 Miles (use only when miles > 100 in T077)	
MI	MI	MI	MI				
				Linear Foot	T079	Well Installation Using Air Rotary - Two Inch Well	
				Linear Foot	T080	Well Installation Using Air Rotary - Four Inch Well	
				Linear Foot	T081	Well Installation Using Air Rotary - Six Inch Well	
				Linear Foot	T082	Well Abandonment - Two Inch Well	
				Linear Foot	T083	Well Abandonment - Four Inch Well	
				Linear Foot	T084	Well Abandonment - Six Inch Well	

RP Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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DEQ Initial: \_\_\_\_\_

Date: \_\_\_\_\_

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				Hour	T085	Pump Test	
				Sample	T086	Domestic Well Sampling	
				Sample	T087	Surface Water Sampling	
				Linear Foot	T088	Direct Push Technology (DPT) Permanent Well Installation	
				Day	T089	Direct Push Technology (DPT) Daily Cost & Mobilization	
				Square Foot	T090	Asphalt Removal - Up to 6" Thick, Areas Less than 4,500 SF	
				Square Foot	T091	Asphalt Removal - Up to 6" Thick, Areas Greater than 4,500 SF	
				Square Foot	T092	Concrete Pavement Removal - Up to 6" Thick, Less than 4,500 SF	
				Square Foot	T093	Concrete Pavement Removal - Up to 6" Thick, Greater than 4,500 SF	
				Square Foot	T094	Asphalt Paving	
				Square Foot	T095	Concrete Paving	
				Square Foot	T096	Removal of Patio/Walkway Type Pavements	
				Square Foot	T097	Replacement of Patio/Walkway Pavements	
				Linear Foot	T098	Silt Fencing Installation	
				Cubic Yard	T099	Landfilling Less Than 20 Cubic Yards of Petroleum Contaminated Soil	
				Hour of Report Preparation	T100	Report Preparation	
				Pound	T101	Spent Carbon Changeout	
				Week	T102	50-250 CFM Dual Phase Extraction Pump and Power Supply System	

RP Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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Date: \_\_\_\_\_

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				Month	T103	50-250 CFM Dual Phase Extraction Pump and Power Supply System	
				Week	T104	250-500 CFM Dual Phase Extraction Pump and Power Supply System	
				Month	T105	250-500 CFM Dual Phase Extraction Pump and Power Supply System	
				Week	T106	500-850 CFM Dual Phase Extraction Pump and Power Supply System	
				Month	T107	500-850 CFM Dual Phase Extraction Pump and Power Supply System	
				Week	T108	Dual Phase Extraction Treatment Assembly (Up to 12 GPM)	
				Month	T109	Dual Phase Extraction Treatment Assembly (Up to 12 GPM)	
				Day	T110	Dual Phase Extraction Treatment Assembly (Up to 22 GPM)	
				Week	T111	Dual Phase Extraction Treatment Assembly (Up to 22 GPM)	
				Month	T112	Dual Phase Extraction Treatment Assembly (Up to 22 GPM)	
				Drum	T113	Disposal of Drummed Petroleum Contaminated Soils	

RP Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

RP Signature: \_\_\_\_\_ Date: \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

DEQ Initial: \_\_\_\_\_ Date: \_\_\_\_\_ Effective: 1/1/98 (Rev. 1/17/00)

## Instructions for Completing the AAF for 198 UCRs

**Use this form for Regional Office authorization and verification of work performed for Phases or Reimbursement Periods beginning on or after January 1, 1998.**

The Regional Office will work with the Responsible Person (RP) to determine the activities necessary to abate the release and to characterize the extent of the contamination. The RP/Consultant must fill out the **Activity Authorization Form (AAF)** and submit it to the Regional Office for authorization of activities prior to the initiation of site work. The RP should fill out the information at the top of the sheet including the **Site Name**, the **Phase** under which the work will be performed (see Reimbursement Guidance Manual), the appropriate **Regional Office**, and the **RP/Consultant phone and fax number**. The **PC#** should also be entered in the space at the top of each page.

To complete the form, decide which tasks will be necessary to fully address the phase of corrective action. Fill out the **Proposed Units** column with the number of units believed necessary for each proposed task. Also, fill out the **Contingent Units** column to identify additional work above the **Proposed Units** which may be needed if the **Proposed Units** are found to be inadequate. The **Proposed Units** plus the **Contingent Units** may not be exceeded without Regional Office Approval. The **Comments** and **Notes** sections may be used to add any additional information the RP/Consultant believes necessary to assist the Regional Office in evaluating the **AAF**. Do not use these sections to request authorization for site activities.

Any necessary **Material Items** should be listed in the **Material Section** of the **AAF**. The **Proposed Units** and **Contingent Units** columns should be filled out as described above. The **Unit Type**, **Code**, and **Activity** columns should be filled out with the appropriate information from the **Material UCR Schedule**. For an item that is not on the list of coded **Material Items**, you must assign an "X" code. In the **Code** column, enter a three-digit code beginning with an "X". For each site, an "X" code must be unique, begin with X001, and be sequential. For example, X001, X002, X003.... Also, fill in an appropriate **Unit Type** and **Activity** for each "X" code.

The signed and dated **AAF**, an **Initial Site Map**, and a **Topographic Map** should then be mailed or faxed to the appropriate DEQ Regional Office. Once received and authorized, the Regional Office will send the **AAF** back to the RP with any necessary changes. Only after the form is received by the RP may the authorized scope of work begin.

Upon completion of a Phase or Reimbursement Period, the **Work Performed** column should be filled in with the actual number of units performed at the site. This is the final **AAF(s)** for the claimed phase. The Regional Office will review all **AAFs** with the work performed and any reports submitted for the claimed phase. The Regional Office must verify this work performed before a reimbursement application can be processed.

**All work for which you seek reimbursement must be listed in the Work Performed column of the AAF(s) submitted for verification. Claimants may seek verification only once for each phase or reimbursement period. Materials/Tasks omitted from the Work Performed column of the AAF(s) submitted for verification will be ineligible for reimbursement. Work Performed units on this AAF which started before January 1, 1998 will be denied.**

The RP/Consultant must also include a copy of the **AAFs**, with the **Work Performed** column filled in, with the corresponding report for each phase.

Virginia Department of Environmental Quality  
Petroleum Cleanup



# Activity Authorization Form for 395 UCRs

PC #: \_\_\_\_\_ Site Name: \_\_\_\_\_ Consultant: \_\_\_\_\_

Regional Office: \_\_\_\_\_ RP/Consultant's Phone No.: (\_\_\_\_\_) \_\_\_\_\_ Fax No.: (\_\_\_\_\_) \_\_\_\_\_

Check only one Phase below:

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Initial Abatement              | <input type="checkbox"/> Phase II Initial Abatement            | <input type="checkbox"/> CAP Addendum       |
| <input type="checkbox"/> Site Characterization          | <input type="checkbox"/> Post Site Characterization Monitoring | <input type="checkbox"/> CAP Implementation |
| <input type="checkbox"/> Site Characterization Addendum | <input type="checkbox"/> CAP Development                       | <input type="checkbox"/> Site Closure       |

## Activity Authorization Form for 395 UCRs

To use this form, the Phase or Reimbursement Period must have started between March 1, 1995 and December 31, 1997.

Costs for Work Performed units on this AAF for a Phase or Reimbursement Period, which started before March 1, 1995 or after December 31, 1997 will be denied.

Note: Approval of work is not DEQ approval of reimbursable costs.

Proposed Units	Contingent Units	Work Performed	DEQ Verified Units	Unit Type	Code	Task	Comments
				Hour	T001	* Remove Product from Tank for Release Abatement	
				Hour	T002	* Monitor for Vapor Hazards	
				Blower	T003	* Emergency Mitigation of Vapor Hazards - Set-Up	
				Day per Blower	T004	* Emergency Mitigation of Vapor Hazards-Operation and Maintenance	
				Hour	T005	* Free Product (Liquid Phase) Recovery from a Pit	
				Hour	T006	* Free Product (Liquid Phase) Recovery from a Monitoring Well - Manual	
				Foot of Boom	T007	* Install Boom in Surface Waters	
				Month	T008	* Bottled Water with Bottled Water Dispenser	

RP Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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Effective: 1/1/98 (Rev.1/17/00)

				Ton	T009	* Soil Loading	
TN	TN	TN	TN				
MI	MI	MI	MI	Ton/Mile	T010	* Soil Hauling > or = 50 miles	
TN	TN	TN	TN				
MI	MI	MI	MI	Ton/Mile	T011	* Soil Hauling <50 miles	
				Ton	T012	* Soil Treatment at an Incineration or Bioremediation Facility	
				Ton	T013	* Soil Disposal at a Landfill	
				Site	T014	* Site Reconnaissance/Initial Site Map	
				Tank	T015	Underground Storage Tank (UST) Tightness Testing for Leak Confirmation	
				Line	T016	UST Line Tightness Testing for Leak Confirmation	
				Gallon	T017	Free Product/Contaminated Water Disposal	
				Hour	T018	Boom Inspection	
				Foot of New Boom	T019	Boom Replacement	
				Plan	T020	Health & Safety Plan	
				Site	T021	Site History Research	
				Survey	T022	Subsurface Line Location Prior to Drilling and Excavation	
				Mob / Demob (Round Trip)	T023	Drill Rig Mob/Demob	
				Linear Foot	T024	Soil Boring with Drill Rig - 5 foot Sampling Interval	
				Linear Foot	T025	Monitoring Well Installation - Two-Inch Diameter	
				Linear Foot	T026	Monitoring Well Installation - Four-Inch Diameter	
				Linear Foot	T027	Recovery Well Installation - Six-Inch Diameter	

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				Hour	T028	Logging Soil Borings	
				Drummed Ton	T029	Disposal of Well Cuttings/Soil Borings	
				Sample	T030	Soil Sampling	
				Well	T031	Monitoring Well Sampling - Two-Inch Diameter	
				Well	T032	Monitoring Well Sampling - Four-Inch Diameter	
				Hour	T033	Survey - Monitoring Wells/Recovery Wells	
				Hour	T034	Survey - Property	
				Agreement	T035	Site Access Agreement	
				Round Trip per Piece of Equipment	T036	Heavy Equipment Mob/Demob	
				Cubic Yard	T037	Soil Excavation for Interceptor Trench	
				Ton	T038	Debris Disposal	
				Plan	T039	Alternate Water Supply (AWS) Work Plan	
				5% of Reimbursed Costs	T040	General Site Management	
				Hour	T041	Well Rehabilitation	
				Cubic Yard	T042	Backfilling	
				Report	T043	Initial Abatement Report Preparation	
				Report	T044	Periodic Reporting as Required by the DEQ Regional Office	
				Report	T045	Free Product (Liquid Phase) Recovery Report	
				Cubic Yard	T046	Soil Excavation for Test Pit	

RP Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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				Square Foot	T047	Reseeding < 1 Acre	
				Square Foot	T048	Reseeding > or = 1 Acre	
				Survey	T049	Receptor Survey	
				Sample Point	T050	Soil Gas Survey	
				Day	T051	Soil Probe Survey	
				Hour	T052	Ground Penetrating Radar (GPR)	
				Hour	T053	Slug Test	
				Test	T054	12 Hour Pump Test	
				Test	T055	24 Hour Pump Test	
				Test	T056	48 Hour Pump Test	
				Test	T057	72 Hour Pump Test	
				Linear Foot	T058	Terrain Conductivity	
				Report	T059	Site Characterization Report	
				Site	T059A	Alternate Water Supply Add-On	
				Site	T059B	Impacted Surface Water Add-On	
				Point	T059C	Additional Data Point Add-On	
				Site	T059D	Free Product (Liquid Phase) Add-On	
				Report	T060	Site Characterization Report Addendum	
				Cubic Yard	T061	Soil Excavation	

RP Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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				Report	T062	Corrective Action Plan Preparation	
				Report	T063	Corrective Action Plan Addendum Preparation	
				Phase or Reimbursement Period	T064	Reimbursement Claim Preparation	
				Day	T065	50-250 CFM Dual Phase Extraction Pump and Power Supply System	
				Day	T066	250-500 CFM Dual Phase Extraction Pump and Power Supply System	
				Day	T067	500-850 CFM Dual Phase Extraction Pump and Power Supply System	
				Day	T068	Dual Phase Extraction Treatment Assembly	
				Mob/Demob	T069	Dual Phase Extraction System Mob/Demob	

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Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Effective: 1/1/98 (Rev.1/17/00)

## Instructions for Completing the AAF for 395 UCRs

**Use this form for Regional Office authorization and verification of work performed for Phases or Reimbursement Periods which started between March 1, 1995 and December 31, 1997.**

The Regional Office will work with the Responsible Person (RP) to determine the activities necessary to abate the release and to characterize the extent of the contamination. The RP/Consultant must fill out the **Activity Authorization Form (AAF)** and submit it to the Regional Office for authorization of activities prior to the initiation of site work. The RP should fill out the information at the top of the sheet including the **Site Name**, the **Phase** under which the work will be performed (see Reimbursement Guidance Manual), the appropriate **Regional Office**, and the **RP/Consultant phone and fax number**. The **PC#** should also be entered in the space at the top of each page.

To complete the form, decide which tasks will be necessary to fully address the phase of corrective action. Fill out the **Proposed Units** column with the number of units believed necessary for each proposed task. Also, fill out the **Contingent Units** column to identify additional work above the **Proposed Units**, which may be needed if the **Proposed Units** are found to be inadequate. The **Proposed Units** plus **Contingent Units** may not be exceeded without Regional Office Approval. The **Comments** and **Notes** sections may be used to add any additional information the RP/Consultant believes necessary to assist the Regional Office in evaluating the **AAF**. Do not use these sections to request authorization for site activities.

Any necessary **Material Items** should be listed in the **Material Section** of the **AAF**. The **Proposed Units** and **Contingent Units** columns should be filled out as described above. The **Unit Type**, **Code**, and **Activity** columns should be filled out with the appropriate information from the **Material UCR Schedule**. For an item that is not on the list of coded **Material Items**, you must assign an "X" code. In the **Code** column, enter a three-digit code beginning with an "X". For each site, an "X" code must be unique, begin with X001, and be sequential. For example, X001, X002, X003....Also, fill in an appropriate **Unit Type** and **Activity** for each "X" code.

The signed and dated **AAF**, an **Initial Site Map**, and a **Topographic Map** should then be mailed or faxed to the appropriate DEQ Regional Office. Once received and authorized, the Regional Office will send the **AAF** back to the RP with any necessary changes. Only after the form is received by the RP may the authorized scope of work begin.

Upon completion of a Phase or Reimbursement Period, the **Work Performed** column should be filled in with the actual number of units performed at the site. This is the final AAF(s) for the claimed phase. The Regional Office will review all AAFs with the work performed and any reports submitted for the claimed phase. The Regional Office must verify this work performed before a reimbursement application can be processed.

**All work for which you seek reimbursement must be listed in the Work Performed column of the AAF(s) submitted for verification. Claimants may seek verification only once for each phase or reimbursement period. Materials/Tasks omitted from the Work Performed column of the AAF(s) submitted for verification will be ineligible for reimbursement. Costs for Work Performed units on this AAF for a Phase or Reimbursement Period, which started before March 1, 1995 or after December 31, 1997 will be denied.**

The RP/Consultant must also include a copy of the **AAFs**, with the **Work Performed** column filled in, with the corresponding report for each phase.

Virginia Department of Environmental Quality  
Petroleum Cleanup



# Activity Authorization Form for 1289 UCRs

PC #: \_\_\_\_\_ Site Name: \_\_\_\_\_ Consultant: \_\_\_\_\_

Regional Office: \_\_\_\_\_ RP/Consultant's Phone No.: (\_\_\_\_\_) \_\_\_\_\_ Fax No.: (\_\_\_\_\_) \_\_\_\_\_

Check only one Phase below:

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Initial Abatement              | <input type="checkbox"/> Phase II Initial Abatement            | <input type="checkbox"/> CAP Addendum       |
| <input type="checkbox"/> Site Characterization          | <input type="checkbox"/> Post Site Characterization Monitoring | <input type="checkbox"/> CAP Implementation |
| <input type="checkbox"/> Site Characterization Addendum | <input type="checkbox"/> CAP Development                       | <input type="checkbox"/> Site Closure       |

## Activity Authorization Form for 1289 UCRs

To use this form, the Phase or Reimbursement Period must have started before March 1, 1995.

Costs for Work Performed units on this AAF for a Phase or Reimbursement Period, which started after February 28, 1995, will be denied.

Work Performed	DEQ Verified Units	Unit Type	Code	Task	Comments
		Hour	T001	Remove Product from Tank for Release Abatement	
		Hour	T002	Monitor for Vapor Hazards	
		Blower	T003	Emergency Mitigation of Vapor Hazards - Set-Up	
		Day per Blower	T004	Emergency Mitigation of Vapor Hazards-Operation and Maintenance	
		Hour	T005	Free Product (Liquid Phase) Recovery from a Pit	
		Hour	T006	Free Product (Liquid Phase) Recovery from a Monitoring Well - Manual	
		Foot of Boom	T007	Install Boom in Surface Waters	
		Month	T008	Bottled Water with Bottled Water Dispenser	

RP Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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		Ton	T009	Soil Loading	
TN MI	TN MI	Ton/Mile	T010	Soil Hauling > or = 50 miles.	
TN MI	TN MI	Ton/Mile	T011	Soil Hauling < 50 miles	
		Ton	T012	Soil Treatment at an Incineration or Bioremediation Facility	
		Ton	T013	Soil Disposal at a Landfill	
		Site	T014	Site Reconnaissance/Initial Site Map	
		Tank	T015	Underground Storage Tank (UST) Tightness Testing for Leak Confirmation	
		Line	T016	UST Line Tightness for Leak Confirmation	
		Gallon	T017	Free Product/Contaminated Water Disposal	
		Hour	T018	Boom Inspection	
		Foot of New Boom	T019	Boom Replacement	
		Plan	T20	Health & Safety Plan	
		Site	T021	Site History Research	
		Survey	T022	Subsurface Line Location Prior to Drilling and Excavation	
		Mob/Dmob (Round Trip)	T023	Drill Rig Mob/Dmob	
		Linear Foot	T024	Soil Boring with Drill Rig - 5 foot Sampling Interval	
		Linear Foot	T025	Monitoring Well Installation - Two-Inch Diameter	
		Linear Foot	T026	Monitoring Well Installation - Four-Inch Diameter	

RP Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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		Linear Foot	T027	Recovery Well Installation - Six-Inch Diameter	
		Hour	T028	Logging Soil Borings	
		Drummed Ton	T029	Disposal of Well Cuttings/Soil Borings	
		Sample	T030	Soil Sampling	
		Well	T031	Monitoring Well Sampling - Two Inch Diameter	
		Well	T032	Monitoring Well Sampling - Four Inch Diameter	
		Hour	T033	Survey - Monitoring/Recovery Wells	
		Hour	T034	Survey Property	
		Agreement	T035	Site Access Agreement	
		Round Trip per Piece of Equipment	T036	Heavy Equipment Mob/Dmob	
		Cubic Yard	T037	Soil Excavation for Interceptor Trench	
		Ton	T038	Debris Disposal	
		Plan	T039	Alternate Water Supply (AWS) Work Plan	
		Submitted Costs	T040	General Site Management	
		Hour	T041	Well Rehabilitation	
		Cubic Yard	T042	Backfilling	
		Report	T043	Initial Abatement Report Preparation	
		Report	T044	Periodic Reporting as Required by the DEQ Regional Office	

RP Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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		Report	T045	Free Product (Liquid Phase) Recovery Report	
		Cubic Yard	T046	Soil Excavation for Test Pit	
		Square Foot	T047	Reseeding < 1 Acre	
		Square Foot	T048	Reseeding > or = 1 Acre	
		Survey	T049	Receptor Survey	
		Sample Point	T050	Soil Gas Survey	
		Day	T051	Soil Probe Survey	
		Hour	T052	Ground Penetrating Radar (GPR)	
		Hour	T053	Slug Test	
		Hour	T054	12 Hour Pump Test	
		Hour	T055	24 Hour Pump Test	
		Hour	T056	48 Hour Pump Test	
		Hour	T057	72 Hour Pump Test	
		Linear Foot	T058	Terrain Conductivity	
		Report	T059	Site Characterization Report	
		Site	T059A	Alternate Water Supply Add-On	
		Site	T059B	Impacted Surface Water Add- On	
		Point	T059C	Additional Data Point Add-On	

RP Signature: \_\_\_\_\_

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		Site	T059D	Free Product (Liquid Phase) Add-On	
		Report	T060	Site Characterization Report Addendum,	
		Cubic Yard	T061	Soil Excavation	
		Report	T062	Corrective Action Plan Preparation	
		Report	T063	Corrective Action Plan Addendum Preparation	
		Phase or Reimbursement Period	T064	Reimbursement Claim Preparation	
TKs ----- GAL		Number of Leaking Tanks/ Total Gallons	T999	Tank Removal for Leaking USTs	

RP Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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**Notes:**

**DEQ use Only:**

**RP Signature:**

Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**DEQ Regional Office Authorization:**

Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

RP Signature: \_\_\_\_\_ Date: \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

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## Instructions for Completing the AAF for 1289 UCRs

**Use this form for Regional Office verification of work performed for Phases or Reimbursement Periods, which started before March 1, 1995.**

The Regional Office will review the work the Responsible Person (RP) performed to determine the activities necessary to abate the release and to characterize the extent of the contamination. The RP/Consultant must fill out the **Activity Authorization Form (AAF)** and submit it to the Regional Office for verification of activities performed. The RP should fill out the information at the top of the sheet including the **Site Name**, the **Phase** under which the work was performed (see Reimbursement Guidance Manual), the appropriate **Regional Office**, and the **RP/Consultant phone and fax number**. The **PC#** should also be entered in the space at the top of each page.

To complete the form, decide which tasks were necessary to fully address the phase of corrective action. Fill out the **Work Performed** column with the number of units believed necessary for each task. The **Comments** and **Notes** sections may be used to add any additional information the RP/Consultant believes necessary to assist the Regional Office in evaluating the **AAF**.

Any necessary **Material Items** should be listed in the **Material Section** of the **AAF**. The **Unit Type** and **Code** columns should be filled out with the corresponding information from the **Material UCR Schedule**. Fill in the **Work Performed** column. For an item that is not on the list of coded **Material Items**, you must assign an "X" code. In the **Code** column, enter a three-digit code beginning with an "X". For each site, an "X" code must be unique, begin with X001, and be sequential. For example, X001, X002, X003....Also, fill in an appropriate **Unit Type** and **Activity** for each "X" code.

**The claimant may seek verification of 1289 UCR work only once. All 1289 UCR units for which you seek reimbursement must be listed in the Work Performed column. Claimants may submit only one claim for reimbursement of 1289 UCR work. Any units not listed in the Work Performed column of the AAF(s) submitted for Regional Office verification will be ineligible for reimbursement. Costs for Work Performed units on this AAF for a Phase or Reimbursement Period, which started after February 28, 1995, will be denied.**

**APPENDIX 7**  
**Bidding Authorization Forms**

## BID SUMMARY FORM

PC Number: \_\_\_\_\_  
Site Name: \_\_\_\_\_  
Region: \_\_\_\_\_

**Check only one box below:**

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Release Investigation          | <input type="checkbox"/> Phase II Initial Abatement         | <input type="checkbox"/> Post SCR Monitoring Reimbursement Period: from _____ to _____ |
| <input type="checkbox"/> Initial Abatement              | <input type="checkbox"/> Corrective Action Plan Development |  |
| <input type="checkbox"/> Site Characterization          | <input type="checkbox"/> Corrective Action Plan Addendum    | <input type="checkbox"/> CAP Implementation Reimbursement Period: from _____ to _____  |
| <input type="checkbox"/> Site Characterization Addendum | <input type="checkbox"/> Site Closure                       |  |

[illegible]

Responsible Person: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

Consultant: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

DEQ Authorization: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

# Instructions for Completing the Bid Summary Form

## Background

The Bid Summary Form informs the Regional Office Staff of all corrective action services, materials, and equipment for which you, the tank owner/operator or your primary consultant plan to solicit competitive bids. The Regional Case Manager will review this list and determine if additional items should be bid. When the Regional Case Manager is satisfied that the appropriate scopes of work to be bid have been properly defined, he/she will sign this form and send it back to you so that bids may be solicited.

## Instructions

*Scope of Work Number:* In this column, list a reference number for the scope of work. The scope of work number is generated and assigned by you and may not exceed six digits. Each scope of work number is unique to its corresponding scope of work for a site.

*Scope of Work:* In this column, provide a summary of the scope of work for each bid. This may include personnel time, equipment, and materials. Remember, list only those items for which you intend to solicit bids. Other costs that are not bid must be listed on an AAF.

## Provide the following information only for Change Orders with Unit Prices

When the number of units of an approved bid scope of work increase, yet the unit cost remains the same (as specified in the successful bid), bidding of the additional units is not required. To obtain approval you must assign a new scope of work number to the additional units, describe the scope of work and then complete the following information. *Original Scope of Work Number:* List the original scope of work number for which established the unit price for this work.

*Unit Cost:* Cost expressed on a per item (unit) basis. Example: PVC pipe costs \$0.97 per foot, the Unit Cost is \$0.97 per foot.

*Total Cost for Change Order:* In this column, list the total cost for completing the change order scope of work.

# BID COMPARISON FORM

PC Number: \_\_\_\_\_ Site Name: \_\_\_\_\_

Region: \_\_\_\_\_ Date: \_\_\_\_\_

Scope of Work Number: \_\_\_\_\_ Scope of Work: \_\_\_\_\_

Name of Company Providing Bid	Unit Cost (if applicable)	Total Amount of Bid	Bid Selected
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>

I certify that the bids for the scope of work identified above were obtained and evaluated in a fair and impartial manner in accordance with generally accepted business practices.

Responsible Person: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Consultant: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

DEQ Authorization: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

# Instructions for Completing the Bid Comparison Form

## Background

The Bid Comparison Form provides a summary of all bids received. Copies of all bids received for a scope of work must be attached to the completed Bid Comparison Form and submitted to the Regional Office along with a copy of the approved Bid Summary Form. The Regional Case Officer will verify that bids were obtained for the scope of work and that the bid that is deemed to be successful is the lowest bid which met the bid specification.

## Instructions

**One Bid Comparison Form must be submitted for each scope of work number.**

**Scope of Work Number:** In this space, list the reference number for the scope of work. **This scope of work number must match the scope of work number listed on the Bid Summary Form.**

**Scope of Work:** In this space, provide a brief description or name of the scope of work for which bids were solicited.

**Name of Company Providing Bid:** Indicate the name of the company, individual, etc. that provided the quotation.

**Unit Cost:** Cost expressed on a per item (unit) basis. Example: PVC pipe costs \$0.97 per foot, the Unit Cost is \$0.97 per foot.

**Total Amount of Bid:** Indicate the total dollar amount that was bid for the given scope of work.

**Bid Selected:** Indicate if the bid was selected by placing an "x" in the appropriate box.

**Attach bids to the Bid Comparison Form in the order in which they are listed on the form.**

# BID WORK PROGRESS FORM

PC Number: \_\_\_\_\_ Site Name: \_\_\_\_\_ Region: \_\_\_\_\_

Check only one box below:

☐ Release Investigation

☐ Phase II Initial Abatement

☐

Post SCR Monitoring Reimbursement Period: from \_\_\_\_\_ to \_\_\_\_\_

☐ Initial Abatement

☐ Corrective Action Plan Development

☐

CAP Implementation Reimbursement Period: from \_\_\_\_\_ to \_\_\_\_\_

☐ Site Characterization

☐ Corrective Action Plan Addendum

☐

CAP Implementation Reimbursement Period: from \_\_\_\_\_ to \_\_\_\_\_

☐ Site Characterization Addendum

☐ Site Closure

Scope of Work Number	Scope of Work	Cumulative % Scope of Work Completed	Complete (YES or NO)	Total Amount of Low Bid
			YES <input type="checkbox"/> NO <input type="checkbox"/>	
			YES <input type="checkbox"/> NO <input type="checkbox"/>	
			YES <input type="checkbox"/> NO <input type="checkbox"/>	
			YES <input type="checkbox"/> NO <input type="checkbox"/>	
			YES <input type="checkbox"/> NO <input type="checkbox"/>	
			YES <input type="checkbox"/> NO <input type="checkbox"/>	
			YES <input type="checkbox"/> NO <input type="checkbox"/>	
			YES <input type="checkbox"/> NO <input type="checkbox"/>	
			YES <input type="checkbox"/> NO <input type="checkbox"/>	
			YES <input type="checkbox"/> NO <input type="checkbox"/>	
			YES <input type="checkbox"/> NO <input type="checkbox"/>	
			YES <input type="checkbox"/> NO <input type="checkbox"/>	
			YES <input type="checkbox"/> NO <input type="checkbox"/>	
			YES <input type="checkbox"/> NO <input type="checkbox"/>	

Responsible Person: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Consultant: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

# Instructions for Completing the Bid Work Progress Form

## Background

The Bid Work Progress Form shows the Regional Office the scopes of work which were bid and the cumulative percentage of each scope that was completed. Submit the Bid Work Progress Form to the Regional Office along with the AAF when a Reimbursement Period or Phase is complete. A new Bid Work Progress Form must be completed for each Reimbursement Period. The Case Manager at the Regional Office will review the AAF and the Bid Progress Form to verify that the specified work has been completed. The Regional Office is responsible for forwarding AAFs and Bid Work Progress Forms to the DEQ Central Office for reimbursement processing.

## Instructions

*Reimbursement Period from \_\_\_\_ to \_\_\_\_:* The period of time extending from the earliest invoice date to the latest invoice date submitted with an application.

*Scope of Work Number:* In this space, list the number for the scope of work. **This scope of work number must match the scope of work number listed on the Bid Summary Form.**

*Scope of Work:* In this column, provide a summary of the scope of work for each bid. This may include personnel time, equipment, and materials. This scope of work must match the scope of work listed on the Bid Summary Form.

### *Cumulative % Scope of Work Completed:*

*Applications for Completed Reimbursement Periods -* To request reimbursement for work performed during a Reimbursement Period, the Bid Work Progress Form must indicate the cumulative percentage of the scope of work completed. The Cumulative Percent of Work Completed is the percentage of the scope of work that has been completed since the phase began through the end of the Reimbursement Period being claimed. New Bid Work Progress Form(s) must be completed to claim the remaining bid work in subsequent Reimbursement Periods. Example: The analysis of forty water samples for BTEX was approved. A total cost of \$3200 was the winning bid for these forty analyses. If eight samples were analyzed during the first corrective action implementation Reimbursement Period, the percentage of the cumulative scope of work completed by the end of that Reimbursement Period is 20 percent. You will be reimbursed a maximum of 20 percent of the total amount of the low bid. When eight additional samples are analyzed during the second Reimbursement Period, the percentage of the cumulative scope of work completed by the end of the second Reimbursement Period will be 40 percent. You will be reimbursed a maximum of an additional 20 percent of the total amount of the low bid.

*Applications for Completed Phases -* For phases without Reimbursement Periods, all bid work must be completed and claimed in the sole reimbursement application for the phase. The Responsible Person must take care to ensure that the Bid Work Progress Form and reimbursement application include all bid work completed during the phase. Unclaimed bid work cannot be submitted in an application for another phase.

*Complete (YES or NO):* If you checked "Yes" in this field, you are indicating that the scope of work has been completed and that no additional work should be reimbursed for this scope of work. For a scope of work to be considered complete, it is not necessary for the cumulative percent complete for that scope to be 100%. If, for example, a change order requires work to stop on a particular scope of work after 30% of the work is verified, the cumulative work completed should indicate 30% and the complete field should indicate Yes. If you checked "No" in this field, you are indicating that the scope of work is not yet completed.

*Total Amount of Low Bid:* Indicate the total dollar amount for the **lowest bid** for each scope of work claimed

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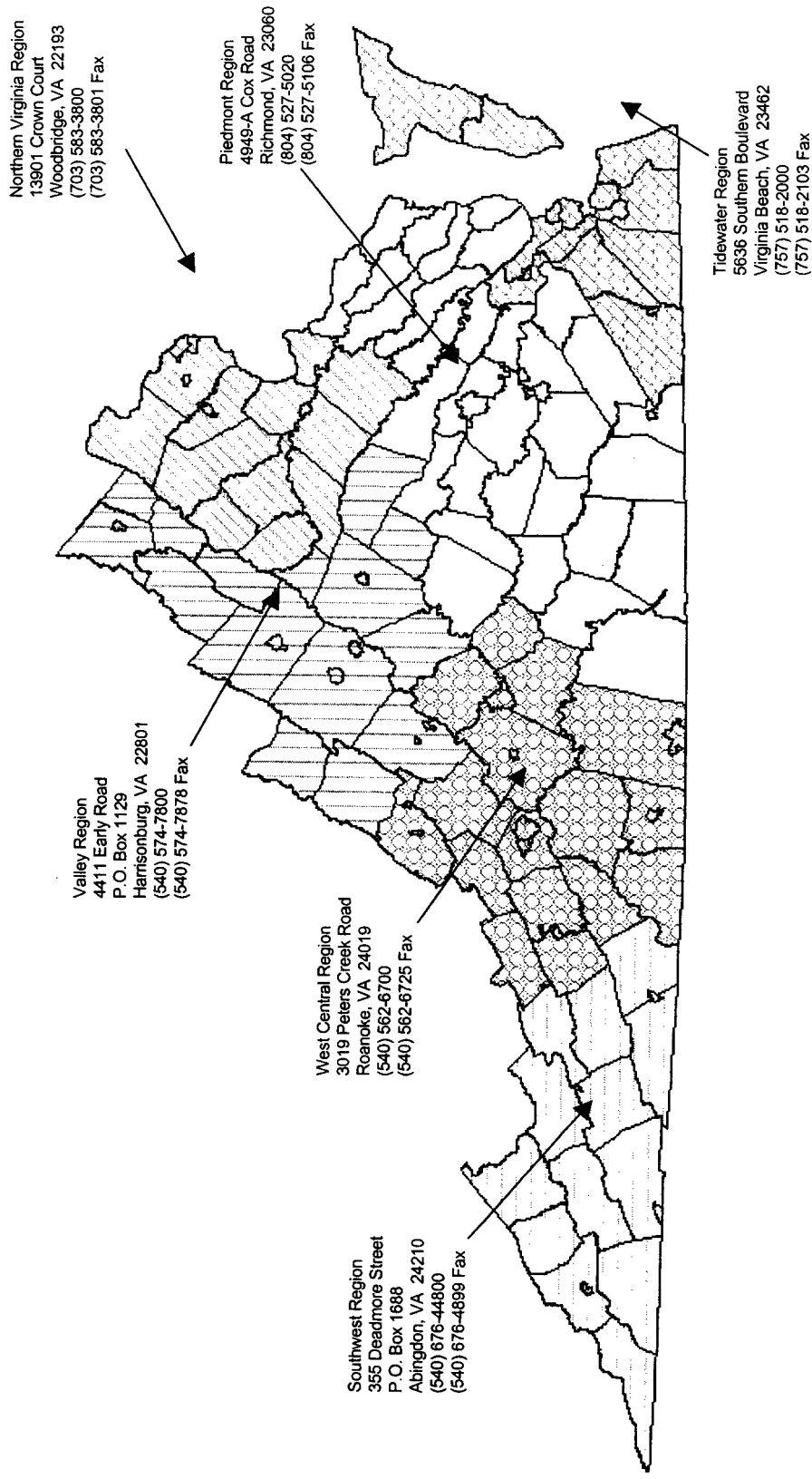
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**APPENDIX 8**  
**Map of DEQ Regional Office Boundaries**

# Department of Environmental Quality

## Regional Service Areas



## COUNTIES OF REGIONAL SERVICE AREAS

### Regional Office

### Counties and Cities

**Northern Regional Office**  
13901 Crown Coury  
Woodbridge, Virginia 22193  
(703) 583-3800  
(703) 583-3801 Fax

**Counties:** Arlington, Caroline, Culpepper, Fairfax, Fauquier, King George, Loudoun, Madison, Orange, Prince William, Rappahannock, Spotsylvania, Stafford

**Cities:** Alexandria, Falls Church, Fairfax, Fredericksburg

**Piedmont Regional Office**  
4949-A Cox Road  
Glen Allen, VA 23060  
(804) 527-5020  
(804) 527-5106 Fax

**Counties:** Amelia, Brunswick, Buckingham, Charles City, Charlotte, Chesterfield, Cumberland, Dinwiddie, Essex, Gloucester, Greensville, Goochland, Halifax, Hanover, Henrico, King and Queen, King William, Lancaster, Lunenburg, Mathews, Mecklenburg, Middlesex, New Kent, Northumberland, Nottoway, Powhatan, Prince George, Richmond, Surry, Sussex, Westmoreland,

**Cities:** Colonial Heights, Emporia, Hopewell, Petersburg, Richmond, South Boston

**Southwest Regional Office**  
355 Deadmore Street  
P.O. Box 1688  
Abingdon, VA 24210  
(540) 676-4800  
(540) 676-4899 Fax

**Counties:** Bland, Buchanan, Carroll, Dickenson, Gryason, Lee, Russell, Scott, Smyth, Tazewell, Washington, Wise, Wythe  
**Cities:** Bristol, Galax, Norton

**Tidewater Regional Office**  
5636 Southern Boulevard  
Virginia Beach, VA 23462  
(757) 518-2000  
(757) 518-2103 Fax

**Counties:** Accomack, Isle of Wight, James City, Nansemond, Northampton, Southampton, York  
**Cities:** Portsmouth, Suffolk, Virginia Beach, Williamsburg

**Valley Regional Office**  
4411 Early Road  
P.O. Box 1129  
Harrisonburg, VA 22801  
(540) 574-7800  
(540) 574-7878 Fax

**Counties:** Albermarle, Augusta, Bath, Clarke, Frederick, Fluvayna, Greene, Highland, Louisa, Nelson, page, Rockbridge, Rockingham, Shenandoah, Warren

**Cities:** Buena Vista, Charlottesville, Harrisonburg, Lexington, Stanuton, Waynesboro, Winchester

**West Central Regional Office**  
3019 Peters Creek Road  
Roanoke, VA 24019  
(540) 562-6700  
(540) 562-6725 Fax

**Counties:** Alleghany, Amherst, Appomattox, Bedford, Botetourt, Campbell, Craig, Floyd, Franklin, Giles, Henry, Montgomery, Patrick, Pittsylvania, Pulaski, Roanoke

**Cities:** Bedford, Clifton Forge, Covington, Danville, Lynchburg, Martinsville, Radford, Roanoke, Salem

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**THE VIRGINIA PETROLEUM STORAGE TANK FUND  
REIMBURSEMENT GUIDANCE MANUAL**

Volume II

UCR Schedules

3rd Edition

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**SECTION 1**  
**198 UCR Schedule**

## 198 PROGRAM TASK UCRs

Code	Description	Unit Type	Unit Rate
T001	Free Phase Product Removal Using a Vacuum Truck	Hour	\$ 145.00
T002	Monitor for Vapor Hazards	Hour	\$ 80.00
T003	Emergency Mitigation of Vapor Hazards - Set-Up	Blower	\$ 170.00
T004	Emergency Mitigation of Vapor Hazards - Operation and Maintenance	Day per Blower	\$ 155.00
T006	Free Product (Liquid Phase) Recovery from a Monitoring Well - Manual	Hour	\$ 60.00
T007	Install Boom in Surface Waters	Foot of Boom	\$ 24.00
T008	Bottled Water with Bottled Water Dispenser	Week	\$ 28.50
T012	Soil Treatment at an Incineration or Bioremediation Facility	Ton	\$ 30.00
T013	Petroleum Contaminated Soil Disposal at a Landfill	Ton	\$ 43.00
T014	Site Reconnaissance/Initial Site Map	Site	\$ 460.00
T015	Underground Storage Tank (UST) System Tightness Testing for Leak Confirmation	Tank System	\$ 500.00
T017	Free Product/Contaminated Water Disposal	Gallon	\$ 0.62
T018	Boom Inspection	Hour	\$ 90.00
T019	Boom Replacement	Foot of New Boom	\$ 15.00
T021	Site History Research	Day	\$ 570.00
T022	Subsurface Line Location Prior to Drilling and Excavation	Survey	\$ 425.00
T023	Drill Rig Mob/Demob	Mob/Demob	\$ 450.00
T024	Soil Boring with Drill Rig - 5 foot Sampling Interval	Linear Foot	\$ 13.00
T025	Monitoring Well Installation - Two-Inch Diameter	Linear Foot	\$ 44.00
T026	Monitoring Well Installation - Four-Inch Diameter	Linear Foot	\$ 60.00
T027	Recovery Well Installation - Six-Inch Diameter	Linear Foot	\$ 85.00
T028	Log Soil Borings	Hour	\$ 75.00
T030	Soil Sampling	Sample	\$ 75.00
T031	Monitoring Well Sampling - Two-Inch Diameter	Well	\$ 160.00
T032	Monitoring Well Sampling - Four-Inch Diameter	Well	\$ 175.00
T033	Survey - Monitoring/Recovery Wells	Hour	\$ 75.00
T034	Survey - Property	Hour	\$ 125.00
T035	Site Access Agreement	Agreement	\$ 395.00
T036	Heavy Equipment Mob/Demob	Round Trip per Piece of Equipment	\$ 350.00
T038	Debris Disposal	Ton	\$ 40.00
T040	General Site Management	Reimbursed Amount per Claim	5%
T041	Well Rehabilitation	Hour	\$ 55.00
T042	Backfilling	Cubic Yard	\$ 27.75

## 198 PROGRAM TASK UCRs

Code	Description	Unit Type	Unit Rate
T047	Reseeding < 1 Acre	Square Foot	\$ 0.12
T048	Reseeding > or = 1 Acre	Square Foot	\$ 0.04
T049	Receptor Survey	Survey	\$ 570.00
T050	Soil Gas Survey	Sample Point	\$ 115.00
T051	Direct Push Technology (DPT) - Ground Water/Soil Survey	Day	\$ 1,850.00
T052	Ground Penetrating Radar (GPR)	Hour	\$ 280.00
T053	Slug Test	Hour	\$ 140.00
T058	Terrain Conductivity	Hour	\$ 225.00
T064	Reimbursement Claim Preparation	Phase or Reimbursement Period	\$ 500.00
T065	50-250 CFM Dual Phase Extraction Pump and Power Supply System	Day	\$ 430.00
T066	250-500 CFM Dual Phase Extraction Pump and Power Supply System	Day	\$ 520.00
T067	500-850 CFM Dual Phase Extraction Pump and Power Supply System	Day	\$ 680.00
T068	Dual Phase Extraction Treatment Assembly	Day	\$ 300.00
T069	Dual Phase Extraction and Treatment System Mob/Demob	Mob/Demob	\$ 305.00
T070	Soil Loading - Up to 2,200 Tons	Ton	\$ 1.97
T071	Soil Loading - More than 2,200 Tons	Ton	\$ 0.94
T072	Excavating/Trenching	Cubic Yard	\$ 5.12
T073	Bulk Excavation	Cubic Yard	\$ 1.72
T074	Hand Excavation	Cubic Yard	\$ 45.00
T075	Soil Hauling < 75 Tons the First 100 Miles (use T076 for additional hauling miles over the first 100 miles) see page 1-10	Ton/Mile	\$ 0.42
T076	Soil Hauling < 75 Tons Over 100 Miles (use this Code only for hauling miles that exceed the first 100 claimed on T075) see page 1-10	Ton/Mile	\$ 0.35
T077	Soil Hauling > 75 Tons the First 100 Miles (use T078 for additional hauling miles over the first 100 miles) see page 1-10	Ton/Mile	\$ 0.31
T078	Soil Hauling > 75 Tons Over 100 Miles (use this Code only for hauling miles that exceed the first 100 claimed on T077) see page 1-10	Ton/Mile	\$ 0.27
T079	Well Installation Using Air Rotary - Two-Inch Well	Linear Foot	\$ 38.00
T080	Well Installation Using Air Rotary - Four-Inch Well	Linear Foot	\$ 40.00
T081	Well Installation Using Air Rotary - Six-Inch Well	Linear Foot	\$ 65.00
T082	Well Abandonment - Two-Inch Well	Linear Foot	\$ 7.95
T083	Well Abandonment - Four-Inch Well	Linear Foot	\$ 8.45
T084	Well Abandonment - Six-Inch Well	Linear Foot	\$ 9.20
T085	Pump Test	Hour	\$ 195.00
T086	Domestic Well Sampling	Sample	\$ 70.00
T087	Surface Water Sampling	Sample	\$ 27.00
T088	Direct Push Technology (DPT) Permanent Well Installation	Linear Foot	\$ 14.00
T089	Direct Push Technology (DPT) Daily Cost & Mobilization	Day	\$ 1,400.00
T090	Asphalt Removal - Up to 6" Thick, Areas < 4,500 SF	Square Foot	\$ 0.91
T091	Asphalt Removal - Up to 6" Thick, Areas > 4,500 SF	Square Foot	\$ 0.73

## 198 PROGRAM TASK UCRS

Code	Description	Unit Type	Unit Rate
T092	Concrete Pavement Removal - Up to 6" Thick, steel mesh or rod reinforced, < 4,500 SF	Square Foot	\$ 2.26
T093	Concrete Pavement Removal - Up to 6" Thick, steel mesh or rod reinforced, > 4,500 SF	Square Foot	\$ 1.54
T094	Asphalt Paving	Square Foot	\$ 2.32
T095	Concrete Paving	Square Foot	\$ 3.55
T096	Removal of Patio/Walkway Type Pavements	Square Foot	\$ 2.20
T097	Replacement of Patio/Walkway Type Pavements	Square Foot	\$ 2.45
T098	Silt Fencing Installation	Linear Foot	\$ 2.18
T099	Landfilling < 20 Cubic Yards of Petroleum Contaminated Soil	Cubic Yard	\$ 42.50
T100	Report Preparation	Hour of Report Preparation	\$ 92.75
T101	Spent Carbon Changeout	Pound	\$ 2.55
T102	50-250 CFM Dual Phase Extraction Pump & Power Supply	Week	\$ 1,500.00
T103	50-250 CFM Dual Phase Extraction Pump & Power Supply	Month	\$ 4,525.00
T104	250-500 CFM Dual Phase Extraction Pump & Power Supply	Week	\$ 1,825.00
T105	250-500 CFM Dual Phase Extraction Pump & Power Supply	Month	\$ 5,450.00
T106	500-850 CFM Dual Phase Extraction Pump & Power Supply	Week	\$ 2,375.00
T107	500-850 CFM Dual Phase Extraction Pump & Power Supply	Month	\$ 7,150.00
T108	Dual Phase Extraction Treatment Assembly Up to 12 GPM	Week	\$ 1,050.00
T109	Dual Phase Extraction Treatment Assembly Up to 12 GPM	Month	\$ 3,150.00
T110	Dual Phase Extraction Treatment Assembly Up to 22 GPM	Day	\$ 310.00
T111	Dual Phase Extraction Treatment Assembly Up to 22 GPM	Week	\$ 1,075.00
T112	Dual Phase Extraction Treatment Assembly Up to 22 GPM	Month	\$ 3,250.00
T113	Disposal of Drummed Petroleum Contaminated Soils	Drum	\$ 92.00

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## 198 PROGRAM TASK DESCRIPTIONS

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<u>Code</u>	<u>Task</u>
T001	<b>Free Phase Product Removal Using a Vacuum Truck:</b> This SOW (Scope of Work) consists of removing the petroleum product from a storage tank, well, pit, vault, etc., using equipment such as a vacuum truck or a pump truck. The cost for this SOW is based on the use of a vacuum truck, driver, mob/demob and set-up, and a Technician II to assist and monitor the activity. <b>Cost is \$145.00 per Hour.</b>
T002	<b>Monitor for Vapor Hazards:</b> This SOW consists of the personnel time for a Junior Level Professional and appropriate equipment to monitor vapors or free product (liquid phase) that have migrated from the point of release and entered into subsurface structures such as sewers, basements, utility vaults, aboveground enclosed structures, etc. The cost for this SOW is based on the personnel time and use of an explosimeter and PID/HNu. <b>Cost is \$80.00 per Hour.</b>
T003	<b>Emergency Mitigation of Vapor Hazards - Set-Up:</b> This SOW consists of personnel time for a Technician III and a Technician I to set up a blower(s) for the emergency mitigation of vapor hazards. <b>Cost is \$170.00 per Blower.</b>
T004	<b>Emergency Mitigation of Vapor Hazards - Operation and Maintenance:</b> This SOW consists of personnel time for a Technician III and appropriate equipment to monitor and reduce the immediate danger without creating a new or different hazard. The cost for this SOW is based on the use of a combustible gas/O <sub>2</sub> meter and a vapor extraction blower and assumes electrical power is available. <b>Cost is \$155.00 per Day per Blower.</b>
T006	<b>Free Product (Liquid Phase) Recovery from a Monitoring Well - Manual:</b> This SOW consists of personnel time for a Technician III and appropriate equipment to hand-bail free product from a monitoring well. The cost for this SOW is based on the use of a bailer, sampling gloves, oil-water interface probe, and a 55-gallon steel drum. This SOW also includes recording and tabulating the total amount of free product removed. <b>Cost is \$60.00 per Hour.</b>
T007	<b>Install Boom in Surface Waters:</b> This SOW consists of personnel time for a Mid-Level Professional and two Laborers and equipment to install sorbent materials across portions of a stream or other water body impacted by a petroleum product. The cost for this SOW is based on the use of four 10-foot sorbent booms, a box of sorbent pads, polypropylene rope, steel fence posts, PVC boots, Tyvek suits, and nitril gloves for all personnel. This SOW also includes downstream inspection of possible health risks or environmental impacts from the petroleum release. <b>Cost is \$24.00 per Foot of Boom.</b>
T008	<b>Bottled Water with Bottled Water Dispenser:</b> This SOW consists of the costs associated with the utilization of bottled water and a hot/cold bottled water dispenser as an alternate water supply. This SOW is based on the cost for delivery and rental of a hot/cold bottled water dispenser and four 5-gallon water bottles per week. <b>Cost is \$28.50 per Week.</b>
T012	<b>Soil Treatment at an Incineration or Bioremediation Facility:</b> This SOW consists of off-site thermal treatment or bioremediation of petroleum-contaminated soil. This SOW does not include the cost for required pre-treatment laboratory analyses. Required pre-treatment analyses may be pre-approved from the Material UCR Rate Table and claimed separately. <b>Cost is \$30.00 per Ton.</b>

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## 198 PROGRAM TASK DESCRIPTIONS

<u>Code</u>	<u>Task</u>
T013	<b>Petroleum Contaminated Soil Disposal at a Landfill:</b> This SOW consists of landfilling petroleum-contaminated soil at a permitted landfill. This SOW does not include pre-disposal laboratory analyses. Required pre-disposal analyses may be pre-approved separately from the Material UCR Rate Table and claimed separately. <b>Cost is \$43.00 per Ton.</b>
T014	<b>Site Reconnaissance/Initial Site Map:</b> This SOW consists of personnel time for a Junior Level Professional to conduct a site inspection and a CAD Operator to generate an initial site map with features of the immediate site, adjacent parcels, and nearby properties. The site map must note the location of tanks, dispensers, monitoring wells, and other pertinent site features. Location of potential migration pathways such as utility lines, storm and sanitary sewers, catch basins, and drainage ditches must also be noted. The map should suffice for the development of a Health and Safety Plan and for the location of assessment and remediation activities. This Task is not applicable for crude, hand-drawn maps which are not to scale. <b>Cost is \$460.00 per Site.</b>
T015	<b>Underground Storage Tank (UST) System Tightness Testing for Leak Confirmation:</b> This SOW consists of testing UST system (tank and lines) tightness using a method meeting requirements outlined in the UST technical regulations. The cost for this SOW includes all labor and equipment necessary to complete the testing. The number of UST systems to be tested must be specified. The purchase of product for testing is a non-reimbursable expense. This SOW also includes reporting any failed tightness tests to the appropriate DEQ Regional Office within 24 hours. <b>Cost is \$500.00 per Tank System.</b>
T017	<b>Free Product/Contaminated Water Disposal:</b> This SOW consists of disposal of contaminated petroleum product removed from a monitoring well, pit, or leaking UST. Contaminated product contains water or other constituents that render it unusable. This cost is for disposal only, and does not include transportation. <b>Cost is \$0.62 per Gallon.</b>
T018	<b>Boom Inspection:</b> This SOW consists of personnel time for a Junior Level Professional and a Laborer and equipment to inspect booms placed in surface water for petroleum containment. The cost for this SOW includes the use of protective clothing, PVC boots, and nitril gloves for each worker. This SOW also includes downstream inspection of potential health risks or environmental impacts from the petroleum release. <b>Cost is \$90.00 per Hour.</b>
T019	<b>Boom Replacement:</b> This SOW consists of personnel time for a Technician III and a Laborer and equipment (booms, pads, rope) to replace and/or repair sorbent booms and pads placed in surface waters for petroleum containment. This SOW includes the cost for the use of protective clothing, PVC boots, and nitril gloves by each worker, and a steel drum for disposal. <b>Cost is \$15.00 per Foot of New Boom.</b>
T021	<b>Site History Research:</b> This SOW consists of the personnel time for the Project Manager and Junior Level Professional to research past activities that have occurred at or near the site, with the objective of identifying items such as historical land uses, historical tank locations, tank histories, and other historical on-site and off-site petroleum releases. <b>This Task is for research only; information derived from this research should be included in reports submitted to the DEQ and authorized under T100.</b> The cost for this SOW also includes photo re-prints, other materials, and search services. <b>Cost is \$570.00 per Day.</b>

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## 198 PROGRAM TASK DESCRIPTIONS

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<u>Code</u>	<u>Task</u>
T022	<b>Subsurface Line Location Prior to Drilling and Excavation:</b> This SOW consists of personnel time and equipment for a two- person professional crew to review plans and mark all product and utility lines, including electric, gas, water, and sewer associated with the contaminated site. The SOW also includes the cost to generate a site map containing all pertinent information and notes to support subsequent investigative and remedial activities. <b>Cost is \$425.00 per Survey.</b>
T023	<b>Drill Rig Mob/Demob:</b> This SOW consists of transportation of a drill rig and two drillers to and from the site. <b>Cost is \$450.00 per Mob/Demob (Round Trip).</b>
T024	<b>Soil Boring with Drill Rig - 5 foot Sampling Interval:</b> This SOW includes one drill rig and a crew to advance soil borings using hollow-stem augers, and split spoon sampling every five feet with a two-inch split spoon. Also included in this SOW is all necessary field equipment to complete the borings (decontamination fluids and equipment, expendables) and time to decontaminate equipment and relocate the rig between borings. This SOW does not include analytical or mobilization costs. This task is only for dedicated soil borings and should not be used when a soil boring is converted to a monitoring well. Instead use the appropriate task T025 through T027. <b>Cost is \$13.00 per Linear Foot.</b>
T025	<b>Monitoring Well Installation - Two-inch Diameter:</b> This SOW includes the installation of two-inch PVC monitoring wells. The cost for this SOW is based on the cost for drilling with a hollow stem auger and soil sampling every five feet using two-inch diameter split spoons. It includes all well completion materials, watertight locking manhole covers, concrete pad, decontamination equipment and supplies, and the personnel time and equipment to develop the well. This Task does not include the cost to log the well, screen and collect soil samples (see T028). <b>Cost is \$44.00 per Linear Foot.</b>
T026	<b>Monitoring Well Installation - Four-Inch Diameter:</b> This SOW includes the installation of four-inch PVC monitoring wells. The cost for this SOW is based on the cost for drilling with a hollow stem auger and soil sampling every five feet using two-inch diameter split spoons. It includes all well completion materials, watertight locking manhole covers, concrete pad, decontamination equipment and supplies, and the personnel time and equipment to develop the well. This Task does not include the cost to log the well, screen and collect soil samples (see T028). <b>Cost is \$60.00 per Linear Foot.</b>
T027	<b>Recovery Well Installation - Six-Inch Diameter:</b> This SOW includes the installation of six-inch PVC recovery wells. The cost for this SOW is based on drilling with a hollow stem auger, all well completion materials, watertight locking manhole covers, concrete pad, decontamination equipment and supplies, and the personnel time and equipment to develop the well. <b>Cost is \$85.00 per Linear Foot.</b>
T028	<b>Log Soil Borings:</b> This SOW includes personnel time for a Junior Level Professional using a PID to screen and collect samples, and log the well or boring. This Task is to be used when wells are installed or borings advanced using any drilling method. <b>Cost is \$75.00 per Hour.</b>
T030	<b>Soil Sampling:</b> This SOW is for soil sampling not associated with installing a well or a boring. This may be composite sampling, sampling of a waste pile for treatment/disposal certification, sampling from a pit, or samples obtained by hand augering. The cost for this SOW is based upon personnel time for a Technician II, a PID, a hand auger with extensions, bucket, decontamination fluids, brush, soap, gloves, ice, a cooler and express shipping of samples to a lab. This SOW does not include the cost of laboratory analysis of samples collected. <b>Cost is \$75.00 per Sample.</b>

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## 198 PROGRAM TASK DESCRIPTIONS

<u>Code</u>	<u>Task</u>
T031	<b>Monitoring Well Sampling - Two-Inch Diameter:</b> This SOW consists of personnel time for a Technician II, equipment to sample a two-inch monitoring well, and disposal of up to 55 gallons of purge water. The cost also includes personnel time for preparation, well purging, sample packing, necessary decontamination, and travel time between wells on site. Equipment includes a polyethylene bailer, nylon rope, an oil-water interface probe, a pH meter, a conductivity meter, a thermometer, a disposal drum, a brush, soap, decontamination fluids, ice, a cooler, and express shipping of samples to a lab. This SOW does not include laboratory analysis of samples collected. <b>Cost is \$160.00 per Well.</b>
T032	<b>Monitoring Well Sampling - Four-Inch Diameter:</b> This SOW consists of personnel time for a Technician II, equipment to sample a four-inch monitoring well, and disposal of up to 110 gallons of purge water. The cost also includes personnel time for preparation, well purging, sample packing, necessary decontamination, and travel time between wells on-site. Equipment includes a polyethylene bailer, nylon rope, an oil-water interface probe, a pH meter, a conductivity meter, a thermometer, a disposal drum, a brush, soap, decontamination fluids, ice, a cooler, and express shipping of samples to a lab. This SOW does not include laboratory analysis of samples collected. <b>Cost is \$175.00 per Well.</b>
T033	<b>Survey - Monitoring/Recovery Wells:</b> This SOW consists of personnel time for a Survey Crew Chief and a Survey Rodman, a survey level and tripod to survey monitoring and/or recovery wells for location and elevation. The cost for this SOW includes set-up and relocation time between survey points. <b>Cost is \$75.00 per Hour.</b>
T034	<b>Survey - Property:</b> This SOW includes personnel time for a two or three-person licensed survey crew, equipment, and wooden survey markers to survey commercial and residential lots to locate property boundaries and to locate remediation equipment. This SOW includes set-up and relocation time between survey points. <b>Cost is \$125.00 per Hour.</b>
T035	<b>Site Access Agreement:</b> This SOW includes personnel time for a Project Manager and Principal to draft a Site Access Agreement and for a Mid Level Professional to present it to a property owner/lessor (a minimum of two attempts at this presentation must be made). This SOW also includes personnel time for Clerical staff to prepare the document. The Regional Office must be notified immediately upon failure to obtain a signed Access Agreement. <b>Cost is \$395.00 per Agreement.</b>
T036	<b>Heavy Equipment Mob/Demob:</b> This SOW is for the transportation of heavy equipment by trailer and Operators, excluding drill rigs, to a site. <b>Cost is \$350.00 per Round Trip per Piece of Equipment.</b>
T038	<b>Debris Disposal:</b> This SOW consists of the disposal in a landfill of debris generated as a result of abating the petroleum release. Debris includes asphalt, concrete, and/or other non-soil materials. <b>Cost is \$40.00 per Ton.</b>
T040	<b>General Site Management:</b> This SOW consists of personnel time associated with the management of activities for the site. Site management includes but is not limited to planning, contractor coordination, scheduling, contract/contractor management, client meetings, invoice review, staff meetings, etc. <b>Cost is 5% of Approved Costs per Claim.</b>

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## 198 PROGRAM TASK DESCRIPTIONS

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<u>Code</u>	<u>Task</u>
T041	<b>Well Rehabilitation:</b> This SOW consists of personnel time for a Technician II and a surge blocker used to unclog a monitoring well or recovery well screen. This activity should be performed only when flow between the formation and the monitoring well/recovery well becomes restricted. <b>Cost is \$55.00 per Hour.</b>
T042	<b>Backfilling:</b> This SOW consists of backfilling an excavation with rock fill dumped from trucks, placed with a D-4 type dozer. The cost includes all labor and delivery within 25 miles. The volume of backfill may not exceed the volume of material eligible for reimbursement. <b>Cost is \$27.75 per Cubic Yard.</b>
T047	<b>Reseeding &lt; 1 Acre:</b> This SOW consists of the personnel time for a Laborer and the materials (including mulch) needed to re-seed any area totaling less than one acre. The cost for this SOW is based on the use of 5.5 pounds of fescue seed per 1,000 square feet and a push-type spreader. This SOW also includes personnel time to mulch the re-seeded areas with hay by hand. <b>Cost is \$0.12 per Square Foot.</b>
T048	<b>Reseeding &gt; or = 1 Acre:</b> This SOW consists of the personnel time for a Laborer and the materials (including mulch) needed to re-seed any area totaling more than one acre. The cost for this SOW is based on the use of 5.5 pounds of fescue seed per 1,000 square feet and a tractor spreader. This SOW also includes personnel time to apply mulch to the re-seeded areas, with a power mulcher. <b>Cost is \$0.04 per Square Foot.</b>
T049	<b>Receptor Survey:</b> This SOW consists of the identification of potentially affected public and private water supplies (i.e., wells and springs), and surface water within a 1/4 mile radius of the site. Information should be obtained using a local water resource agency and a door-to-door questionnaire. The information obtained should include well ownership, well location, well completion data, well use, and depth to water. This task also includes time for follow-up phone calls to property owners who could not be reached during regular business hours. This includes personnel time for a Technician III to sample water supplies and surface water within the survey area. <b>Cost is \$570.00 per Survey.</b>
T050	<b>Soil Gas Survey:</b> This SOW consists of personnel time for a Mid Level Professional and Technician III, equipment and materials to conduct a soil gas survey. This survey will delineate concentrations of volatile organic compounds in soil gas throughout the site. The cost for this SOW is based on the use of a portable GC, soil probe and accessories, rotary hammer drill, generator, Teflon tubing, tedlar bags and pump, decontamination supplies, and latex sample gloves. The SOW includes on-site analysis of soil gas samples via a laboratory-grade gas chromatograph, and equipment preparation and decontamination. Only successful sample points (i.e., point at which a gas sample is collected and successfully analyzed) are eligible for reimbursement. <b>Cost is \$115.00 per Sample Point.</b>
T051	<b>Direct Push Technology (DPT) - Groundwater/Soil Survey:</b> This SOW consists of personnel time for a two-person DPT crew, a Junior Level Professional and the equipment, materials and services necessary to conduct a soil probe survey using direct-push technology such as Hydropunch or Geoprobe. This survey will entail the insertion of up to 30 probes throughout the site and the collection of soil and/or groundwater samples. This SOW does not include sample analysis or logging and screening of soil and groundwater samples. Equipment preparation and decontamination, mob and de-mob are included in this task as well as a direct-push rig, probe extensions, a probe tip, probe screens, buckets. Off-site laboratory analysis is not included in this task but it may be approved and claimed as Time and Materials. <b>Cost is \$1,850.00 per Day.</b>

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## 198 PROGRAM TASK DESCRIPTIONS

<u>Code</u>	<u>Task</u>
T052	<b>Ground Penetrating Radar (GPR):</b> This SOW consists of all personnel time and equipment needed to perform a GPR survey and produce a report describing the results. This includes time for report review, clerical support, and all other direct costs. <b>Cost is \$280.00 per Hour.</b>
T053	<b>Slug Test:</b> This SOW includes personnel time for a Junior Level Professional and a Technician II and the equipment to conduct a slug test to determine aquifer parameters. The cost of this SOW is based on the use of a polyethylene bailer, rope, latex gloves, and a data logger with one pressure transducer. <b>Cost is \$140.00 per Hour.</b>
T058	<b>Terrain Conductivity:</b> This SOW consists of all personnel time and equipment needed to perform a Terrain Conductivity survey and produce a report describing the results. This includes time for report review, clerical support, and all other direct costs. <b>Cost is \$225.00 per Hour</b>
T064	<b>Reimbursement Claim Preparation:</b> This SOW consists of all personnel time for the preparation of a reimbursement claim. <b>Cost is \$500.00 per Phase or Reimbursement Period.</b>
T065	<b>50-250 CFM Dual Phase Extraction Pump and Power Supply System:</b> This SOW is for the use of a mobile liquid ring pump system capable of achieving a flow rate of 50-250 CFM at a vacuum of 25" Hg, inlet manifold, drop out tank, seal water reservoir, a suitable power source, controls, and all connecting fittings. This task does not include subsurface recovery components. <b>Cost is \$430.00 per Day.</b>
T066	<b>250-500 CFM Dual Phase Extraction Pump and Power Supply System:</b> This SOW is for the use of a mobile liquid ring pump system capable of achieving a flow rate of 250-500 CFM at a vacuum of 25" Hg, inlet manifold, drop out tank, seal water reservoir, a suitable power source, controls, and all connecting fittings. This task does not include subsurface recovery components. <b>Cost is \$520.00 per Day.</b>
T067	<b>500-850 CFM Dual Phase Extraction Pump and Power Supply System:</b> This SOW is for the use of a mobile liquid ring pump system capable of achieving a flow rate of 500-850 CFM at a vacuum of 25" Hg, inlet manifold, drop out tank, seal water reservoir, a suitable power source, controls, and all connecting fittings. This task does not include subsurface recovery components. <b>Cost is \$680.00 per Day.</b>
T068	<b>Dual Phase Extraction Treatment Assembly (Up to 12 GPM):</b> This SOW is for the use of mobile treatment components used in conjunction with a dual phase extraction system. The treatment assembly includes an oil-water separator, tray stripper with suitable blower, activated carbon vessels, transfer pumps, all necessary switches, controls, gauges, monitoring points, and connecting fittings. This treatment assembly has a maximum capacity of 12 gpm. <b>Cost is \$300.00 per Day.</b>
T069	<b>Dual Phase Extraction and Treatment System Mobilization/De-Mobilization:</b> This SOW is for mobilization to and from the site and encompasses the personnel and use of a tow vehicle and trailer or suitable truck for transport of extraction and treatment components. This task is to be used in lieu of a per mile rate. <b>Cost is \$305.00 per Mob/Demob.</b>

## 198 PROGRAM TASK DESCRIPTIONS

<u>Code</u>	<u>Task</u>
<b>T070</b>	<b>Soil Loading - Up to 2,200 Tons:</b> This SOW is for the loading of soil from a stockpile into dump trucks for transport. The costs for this SOW are based on the use of a CAT 910 type wheeled loader with a 1.25 cubic yard bucket and an Operator. This Task should be used only for loading quantities up to 2,200 tons. <b>Cost is \$1.97 per Ton.</b>
<b>T071</b>	<b>Soil Loading - More than 2,200 Tons:</b> This SOW is for the loading of soil from a stockpile into dump trucks for transport. The costs for this SOW are based on the use of a CAT 926 type wheeled loader with a 2.0 cubic yard bucket and an Operator and a Laborer. This Task should be used only for loading quantities greater than 2,200 tons. <b>Cost is \$0.94 per Ton.</b>
<b>T072</b>	<b>Excavating/Trenching:</b> This SOW is for excavating interceptor/recovery trenches, soils around foundations, buried pipelines, tanks, and sites with difficult access or obstructions, etc. The cost for this SOW is based on the use of a CAT 215 type tracked excavator with a 1 cubic yard bucket and an Operator. <b>Cost is \$5.12 per Cubic Yard.</b>
<b>T073</b>	<b>Bulk Excavation:</b> This SOW is for excavation at sites with unobstructed access and/or bulk or mass quantity excavation. The cost for this SOW is based on the use of a CAT 235 type tracked excavator with a 2-cubic yard bucket and an Operator. <b>Cost is \$1.72 per Cubic Yard.</b>
<b>T074</b>	<b>Hand Excavation:</b> This SOW is for excavation of limited quantities of soils by hand. This Task is for hand excavation in crawl spaces, around delicate fixtures, structures, etc. The cost for this SOW is based on a Laborer using a shovel and pick. <b>Cost is \$45.00 per Cubic Yard.</b>

**Refer to the table below before requesting authorization for Tasks T075, T076, T077, or T078.**

**Instructions for Requesting Authorization of Soil Hauling - T075, T076, T077, and T078:** Ton/Miles must be calculated separately for each hauling event. When requesting authorization for this Task, units for both tons and miles must be entered on the AAF. To use the table, first estimate the **total** tonnage to be hauled, then select the proper Task for the distance the soil will be hauled.

If <b>Total</b> soil tonnage hauled is < 75 tons	
First 100 miles use <b>T075</b>	Only miles in excess of 100 use <b>T076</b>

**or**

If <b>Total</b> soil tonnage hauled is ≥ 75 tons	
First 100 miles use <b>T077</b>	Only miles in excess of 100 use <b>T078</b>

## 198 PROGRAM TASK DESCRIPTIONS

### Code      Task

**Example 1:** Request authorization for a single event to haul 90 tons of soil 120 miles for treatment. The quantity to be hauled is greater than 75 tons, therefore T077 and T078 are the only Tasks to consider using. The distance the soil must be hauled exceeds 100 miles, so the first 100 miles will be authorized using T077 and the additional 20 miles will be authorized using T078. The AAF should have listed 90 tons/100 miles under T077 and 90 tons/20 miles under T078.

**Example 2:** Request authorization for a single event to haul 40 tons of soil 111 miles for disposal. The quantity to be hauled is less than 75 tons, therefore T075 and T076 are the only Tasks to consider using. The distance the soil must be hauled exceeds 100 miles, so the first 100 miles will be authorized using T075 and the additional 11 miles will be authorized using T076. The AAF should have listed 40 tons/100 miles under T075 and 40 tons/11 miles under T076

- T075      Soil Hauling < 75 Tons the First 100 Miles:** This SOW is for hauling less than 75 tons (50 cubic yards) of soil for distances up to 100 miles one way. **For < 75 tons, additional miles above the first 100 miles should be claimed using T076.** When requesting authorization for this Task, units for both tons and miles must be entered on the AAF. The cost for this SOW is based on the use of an 8 cubic yard dump truck, including operating costs, with a driver. **Cost is \$0.42 per Ton per Mile (one-way miles x tons x \$0.42)**
- T076      Soil Hauling < 75 Tons Over 100 Miles:** This SOW is for hauling less than 75 tons (50 cubic yards) of soil, distances of more than 100 miles, one-way. **For < 75 tons, the first 100 miles should be claimed using T075, then all hauling exceeding 100 miles should be claimed using this Task.** When requesting authorization for this Task, units for both tons and miles must be entered on the AAF. The cost for this SOW is based on the use of an 8 cubic yard dump truck, including operating costs, with a driver. **Cost is \$0.35 per Ton per Mile (one-way miles x tons x \$0.35)**
- T077      Soil Hauling ≥ 75 Tons the First 100 Miles:** This SOW is for hauling more than 75 tons (50 cubic yards) of soil, distances up to 100 miles, one-way. **For ≥ 75 tons, additional miles above the first 100 miles should be claimed using T078.** When requesting authorization for this Task, units for both tons and miles must be entered on the AAF. The cost for this SOW is based on the use of a 12 cubic yard dump truck, including operating costs, with a driver. **Cost is \$0.31 per Ton per Mile (one-way miles x tons x \$0.31)**
- T078      Soil Hauling ≥ 75 Tons Over 100 Miles:** This SOW is for hauling more than 75 tons (50 cubic yards) of soil, distances of more than 100 miles, one-way. This Task is used when soils are hauled more than 100 miles. **For ≥ 75 tons, the first 100 miles should be claimed using T077, then all hauling exceeding 100 miles should be claimed using this Task.** When requesting authorization for this Task, units for both tons and miles must be entered on the AAF. The cost for this SOW is based on the use of a 12 cubic yard dump truck, including operating costs, with a driver. **Cost is \$0.27 per Ton per Mile (one-way miles x tons x \$0.27)**
- T079      Well Installation Using Air Rotary - Two-Inch Well:** This SOW is for the installation of two-inch PVC monitoring wells. The cost for this SOW is based on the cost for drilling using a drill rig capable of air rotary drilling, all well completion materials, watertight locking manhole covers, concrete pad, decontamination, and the personnel time and equipment to develop the well. This Task does not include the cost to log the well, screen and collect soil samples (see T028). **Cost is \$38.00 per Linear Foot of Well.**

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## 198 PROGRAM TASK DESCRIPTIONS

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<u>Code</u>	<u>Task</u>
<b>T080</b>	<b>Well Installation Using Air Rotary - Four-Inch Well:</b> This SOW is for the installation of four-inch PVC monitoring wells. The cost for this SOW is based on the cost for drilling using a drill rig capable of air rotary drilling, all well completion materials, watertight locking manhole covers, concrete pad, decontamination, and the personnel time and equipment to develop the well. This Task does not include the cost to log the well, screen and collect soil samples (see T028). <b>Cost is \$40.00 per Linear Foot of Well.</b>
<b>T081</b>	<b>Well Installation Using Air Rotary - Six-inch Well:</b> This SOW is for the installation of six-inch PVC monitoring wells. The cost for this SOW is based on the cost for drilling using air rotary drilling, all well completion materials, watertight locking manhole covers, concrete pad, decontamination, and the personnel time and equipment to develop the well. This Task does not include the cost to log the well, screen and collect soil samples (see T028). <b>Cost is \$65.00 per Linear Foot of Well.</b>
<b>T082</b>	<b>Well Abandonment - Two-inch Well:</b> This SOW is for the abandonment of a two-inch monitoring well. This SOW includes the personnel time and equipment to remove a manhole, protective cover, vault, and riser. The cost for this SOW is based on the personnel time for a Technician I and Technician III and the use of a 30' tremmie pipe, funnel, small hand tools, and a bentonite and cement slurry. This Task does not include removal of subsurface screen or casing. <b>Cost is \$7.95 per Linear Foot of Well.</b>
<b>T083</b>	<b>Well Abandonment - Four-inch Well:</b> This SOW is for the abandonment of a four-inch monitoring well. This SOW includes the personnel time and equipment to remove a manhole, protective cover, vault, and riser. The cost for this SOW is based on the personnel time for a Technician I and Technician III and the use of a 30' tremmie pipe, funnel, small hand tools, and a bentonite and cement slurry. This Task does not include removal of subsurface screen or casing. <b>Cost is \$8.45 per Linear Foot of Well.</b>
<b>T084</b>	<b>Well Abandonment - Six-inch Well:</b> This SOW is for the abandonment of a six-inch monitoring well. This SOW includes the personnel time and equipment to remove a manhole, protective cover, vault, and riser. The cost for this SOW is based on the personnel time for a Technician I and Technician III and the use of a 30' tremmie pipe, funnel, small hand tools, and a bentonite and cement slurry. This Task does not include removal of subsurface screen or casing. <b>Cost is \$9.20 per Linear Foot of Well.</b>
<b>T085</b>	<b>Pump Test:</b> This SOW is for conducting a pump test to determine aquifer characteristics. The cost for this SOW is based on the personnel time for a Mid Level Professional and a Technician II. It also includes the use of an oil/water interface probe, a two-inch total fluids pump, a 4 kW generator, a multi-channel data logger with three pressure transducers, and decontamination supplies. This Task does not include the cost for a drum or tank to collect pumped water, water disposal costs, or the time for data analysis and write-up. <b>Cost is \$195.00 per Hour.</b>
<b>T086</b>	<b>Domestic Well Sampling:</b> This SOW is for sampling of domestic water supplies. The cost for this SOW is based on the personnel time for a Technician II to collect samples from the tap of a residence. It also includes the cost for ice, disposable latex gloves, a cooler and express shipping of samples to a lab. This SOW does not include the cost for laboratory analysis of samples collected. <b>Cost is \$70.00 per Sample.</b>

## 198 PROGRAM TASK DESCRIPTIONS

<u>Code</u>	<u>Task</u>
<b>T087</b>	<b>Surface Water Sampling:</b> This SOW is for sampling of surface waters. The cost for this SOW is based on the personnel time for a Technician II to collect samples from surface water. It also includes the cost for ice, disposable latex gloves, PVC boots, 5 gallon polyethylene bucket, a cooler, and express shipping of samples to a lab. This SOW does not include the cost for laboratory analysis of samples collected. <b>Cost is \$27.00 per Sample.</b>
<b>T088</b>	<b>Direct Push Technology (DPT) Permanent Well Installation:</b> This SOW includes personnel time for a Junior Level Professional and the materials necessary to install permanent PVC monitoring wells using direct-push technology such as Hydropunch or Geoprobe. The cost is based on the personnel time for a Junior Level Professional to supervise, document the wells, and collect samples. It also includes the cost for PVC well casing and screen, well completion materials, supplies, and all decontamination supplies. This Task must be authorized with task T089, DPT Daily Cost and Mobilization. <b>Cost is \$14.00 per Linear Foot.</b>
<b>T089</b>	<b>Direct Push Technology (DPT) Daily Cost and Mobilization:</b> This SOW is for the mobilization of a DPT rig to and from the site, a two person crew, DPT rig, equipment, and services necessary to install permanent monitoring wells. This Task may only be authorized with Task T088 - DPT Permanent Well Installation. <b>Cost is \$1,400.00 per Day.</b>
<b>T090</b>	<b>Asphalt Removal - Up to 6" Thick, Areas Less than 4,500 SF:</b> This SOW includes the personnel time for two Laborers using a hand held pneumatic breaker to breakup and remove asphaltic pavement that is up to 6" thick and areas less than 4,500 square feet. The cost for this SOW includes the use of an air compressor, air hoses, and air tools with bits. This SOW does not include the costs for loading, hauling, or disposing of demolished pavement. <b>Cost is \$0.91 per Square Foot.</b>
<b>T091</b>	<b>Asphalt Removal - Up to 6" Thick, Areas Greater than 4,500 SF:</b> This SOW includes the personnel time for two Laborers and/or equipment operators, a backhoe loader, a 1,000 lb. demolition hammer, and a front end loader with a pavement removal bucket to break up and remove asphaltic pavement up to 6" thick and areas greater than 4,500 square feet. This SOW does not include the costs for loading, hauling, or disposing of demolished pavement. <b>Cost is \$0.73 per Square Foot.</b>
<b>T092</b>	<b>Concrete Pavement Removal - Up to 6" Thick, steel mesh or rod reinforced, Less than 4,500 SF:</b> This SOW includes the personnel time for two Laborers using a held pneumatic breaker to break up and remove reinforced concrete pavement up to 6" thick and areas less than 4,500 square feet. The cost for this SOW includes the use of an air compressor, air hoses, and air tools with bits. This SOW does not include costs for loading, hauling, or disposing of demolished pavement. <b>Cost is \$2.26 per Square Foot.</b>
<b>T093</b>	<b>Concrete Pavement Removal - Up to 6" Thick, steel mesh or rod reinforced, Greater than 4,500 SF:</b> This SOW includes the personnel time for two Laborers and/or equipment operators, a backhoe loader, a 1,000 lb. demolition hammer, and a front end loader with a pavement removal bucket to break up and remove concrete pavement that is up to 6" thick and areas greater than 4,500 square feet. This SOW does not include the costs for loading, hauling, or disposing of demolished pavement. <b>Cost is \$1.54 per Square Foot.</b>
<b>T094</b>	<b>Asphalt Paving:</b> This SOW is for paving with asphalt. This cost includes a base layer, subgrade, and wearing course. The SOW also includes the cost for equipment and labor to rough and fine grade, and compact the areas to be paved. <b>Cost is \$2.32 per Square Foot.</b>

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## 198 PROGRAM TASK DESCRIPTIONS

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<u>Code</u>	<u>Task</u>
T095	<b>Concrete Paving:</b> This SOW is for replacing concrete pavement including driveways, patios, sidewalks, parking lots, etc. which has been removed for the purposes of remediation or investigation. The cost for this SOW is based on the personnel time for a Cement Finisher and two Laborers and includes the cost for 3,000 PSI concrete up to 6" thick, with wire mesh, broom finishing, and a gravel base compacted with a vibrating compactor. <b>Cost is \$3.55 per Square Foot.</b>
T096	<b>Removal of Patio/walkway Type Pavements:</b> This SOW is to be used for the removal of sidewalks, patios, and walkways constructed of concrete, brick, slate, tile, terrazzo, pavers, stone, or other architectural materials. This SOW includes the personnel time for two Laborers using a hand-held pneumatic breaker to break up and remove the pavement. The use of this Task is limited to areas less than 600 square feet. <b>Cost is \$2.20 per Square Foot.</b>
T097	<b>Replacement of Patio/walkway Type Pavements:</b> This SOW is to be used for the replacement of sidewalks, patios, and walkways constructed of brick, slate, tile, terrazzo, pavers, stone, or other architectural materials. The cost for this SOW is based on the personnel time for a cement finisher and two Laborers. The use of this Task is limited to areas less than 600 square feet. <b>Cost is \$2.45 per Square Foot.</b>
T098	<b>Silt Fencing Installation:</b> This SOW is for placement of polypropylene silt fencing and securing it with stakes or rebars driven into the ground at ten foot intervals. The cost for this SOW is based on personnel time for two Laborers, woven silt fencing, rebars or stakes, and necessary installation equipment. <b>Cost is \$2.18 per linear foot.</b>
T099	<b>Landfilling Less Than 20 Cubic Yards of Petroleum Contaminated Soil:</b> This SOW includes the disposal of less than 20 cubic yards of petroleum contaminated soil from well cuttings, soil borings, etc. This cost is for disposal only, does not include transportation or any required laboratory analyses. <b>Cost is \$42.50 per Cubic Yard.</b>
T100	<b>Report Preparation:</b> This SOW is for preparation of all written reports, such as Initial Abatement Reports, Site Characterization Reports, Health And Safety Plans, Closure Reports, report Addenda, etc. The cost for this SOW includes all personnel time for writing the report and includes costs for support activities such as time for peer review, table, map, chart preparation, and all copying and binding costs. Hours for this Task are authorized based only on the estimated time necessary for a project manager, senior, mid, and junior level professionals to write a report. For each hour of report writing authorized, the Task includes the cost for an additional 24 minutes of support time (Clerical, Draftsman, CAD Operator, Principal). This Task is not for modeling or the development of engineering plans and specs. <b>Cost is \$92.75 per Hour of Report Preparation.</b>
T101	<b>Spent Carbon Changeout:</b> This SOW is for removal of spent, non-hazardous carbon from an adsorber, refilling the adsorber with reactivated carbon, transport of the spent carbon to a licensed reactivation facility, and reactivation of the spent carbon. This SOW includes the cost for all labor, equipment, and materials necessary to remove, replace, transport, and reactivate spent carbon. <b>Cost is \$2.55 per Pound of Spent Carbon.</b>

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## 198 PROGRAM TASK DESCRIPTIONS

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<u>Code</u>	<u>Task</u>
T102	<b>50-250 CFM Dual Phase Extraction Pump and Power Supply System:</b> This SOW is for the use of a mobile liquid ring pump system capable of achieving a flow rate of 50-250 CFM at a vacuum of 25" Hg, inlet manifold, drop out tank, seal water reservoir, a suitable power source, controls, and all connecting fittings. This task does not include subsurface recovery components. <b>Cost is \$1,500.00 per Week.</b>
T103	<b>50-250 CFM Dual Phase Extraction Pump and Power Supply System:</b> This SOW is for the use of a mobile liquid ring pump system capable of achieving a flow rate of 50-250 CFM at a vacuum of 25" Hg, inlet manifold, drop out tank, seal water reservoir, a suitable power source, controls, and all connecting fittings. This task does not include subsurface recovery components. <b>Cost is \$4,525.00 per Month.</b>
T104	<b>250-500 CFM Dual Phase Extraction Pump and Power Supply System:</b> This SOW is for the use of a mobile liquid ring pump system capable of achieving a flow rate of 250-500 CFM at a vacuum of 25" Hg, inlet manifold, drop out tank, seal water reservoir, a suitable power source, controls, and all connecting fittings. This task does not include subsurface recovery components. <b>Cost is \$1,825.00 per Week.</b>
T105	<b>250-500 CFM Dual Phase Extraction Pump and Power Supply System:</b> This SOW is for the use of a mobile liquid ring pump system capable of achieving a flow rate of 250-500 CFM at a vacuum of 25" Hg, inlet manifold, drop out tank, seal water reservoir, a suitable power source, controls, and all connecting fittings. This task does not include subsurface recovery components. <b>Cost is \$5,450.00 per Month.</b>
T106	<b>500-850 CFM Dual Phase Extraction Pump and Power Supply System:</b> This SOW is for the use of a mobile liquid ring pump system capable of achieving a flow rate of 500-850 CFM at a vacuum of 25" Hg, inlet manifold, drop out tank, seal water reservoir, a suitable power source, controls, and all connecting fittings. This task does not include subsurface recovery components. <b>Cost is \$2,375.00 per Week.</b>
T107	<b>500-850 CFM Dual Phase Extraction Pump and Power Supply System:</b> This SOW is for the use of a mobile liquid ring pump system capable of achieving a flow rate of 500-850 CFM at a vacuum of 25" Hg, inlet manifold, drop out tank, seal water reservoir, a suitable power source, controls, and all connecting fittings. This task does not include subsurface recovery components. <b>Cost is \$7,150.00 per Month.</b>
T108	<b>Dual Phase Extraction Treatment Assembly (Up to 12 GPM):</b> This SOW is for the use of mobile treatment components used in conjunction with a dual phase extraction system. The treatment assembly includes an oil-water separator, tray stripper with suitable blower, activated carbon vessels, transfer pumps, all necessary switches, controls, gauges, monitoring points, and connecting fittings. This treatment assembly has a maximum capacity of 12 gpm. <b>Cost is \$1,050.00 per Week.</b>
T109	<b>Dual Phase Extraction Treatment Assembly (Up to 12 GPM):</b> This SOW is for the use of mobile treatment components used in conjunction with a dual phase extraction system. The treatment assembly includes an oil-water separator, tray stripper with suitable blower, activated carbon vessels, transfer pumps, all necessary switches, controls, gauges, monitoring points, and connecting fittings. This treatment assembly has a maximum capacity of 12 gpm. <b>Cost is \$3,150.00 per Month.</b>

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## 198 PROGRAM TASK DESCRIPTIONS

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<u>Code</u>	<u>Task</u>
<b>T110</b>	<b>Dual Phase Extraction Treatment Assembly (Up to 22 GPM):</b> This SOW is for the use of mobile treatment components used in conjunction with a dual phase extraction system. The treatment assembly includes an oil-water separator, tray stripper with suitable blower, activated carbon vessels, transfer pumps, all necessary switches, controls, gauges, monitoring points, and connecting fittings. This treatment assembly has a maximum capacity of 22 gpm. <b>Cost is \$310.00 per Day.</b>
<b>T111</b>	<b>Dual Phase Extraction Treatment Assembly (Up to 22 GPM):</b> This SOW is for the use of mobile treatment components used in conjunction with a dual phase extraction system. The treatment assembly includes an oil-water separator, tray stripper with suitable blower, activated carbon vessels, transfer pumps, all necessary switches, controls, gauges, monitoring points, and connecting fittings. This treatment assembly has a maximum capacity of 22 gpm. <b>Cost is \$1,075.00 per Week.</b>
<b>T112</b>	<b>Dual Phase Extraction Treatment Assembly (Up to 22 GPM):</b> This SOW is for the use of mobile treatment components used in conjunction with a dual phase extraction system. The treatment assembly includes an oil-water separator, tray stripper with suitable blower, activated carbon vessels, transfer pumps, all necessary switches, controls, gauges, monitoring points, and connecting fittings. This treatment assembly has a maximum capacity of 22 gpm. <b>Cost is \$3,250.00 per Month.</b>
<b>T113</b>	<b>Disposal of Drummed Petroleum Contaminated Soils:</b> This SOW is for disposal and/or treatment of petroleum contaminated soils that have been collected and stored in drums. This SOW does not include the cost of the drum, transportation, or any required laboratory analyses. Drum disposal is included in the cost. Required pre-disposal analyses may be pre-approved separately from the Material UCR Rate Table and claimed separately. <b>Cost is \$92.00 per drum.</b>

## 198 PROGRAM MATERIAL UCRS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
<b>PROFESSIONAL - LABOR</b>			
M0001	Principal	Hour	\$ 121.75
M0002	Senior Professional	Hour	\$ 95.25
M0003	Project Manager	Hour	\$ 79.25
M0004	Mid-Level Professional	Hour	\$ 63.50
M0005	Junior Level Professional	Hour	\$ 55.00
M0006	Technician III	Hour	\$ 47.50
M0007	Technician II	Hour	\$ 42.25
M0008	Technician I	Hour	\$ 37.00
M0009	Clerical	Hour	\$ 31.75
M0010	CAD Operator	Hour	\$ 47.50
M0011	Surveyor Crew Chief	Hour	\$ 37.00
M0012	Surveyor Rod Man	Hour	\$ 31.75
M0013	Draftsman	Hour	\$ 33.75
M0014	Supervisor/Foreman	Hour	\$ 47.50
M0015	Electrician	Hour	\$ 42.25
M0016	Plumber	Hour	\$ 35.00
M0017	Welder	Hour	\$ 39.25
M0018	Laborer	Hour	\$ 30.75
M1338	Supervisor/Foreman - Overtime Rate	Hour	\$ 71.25
M1339	Electrician - Overtime Rate	Hour	\$ 63.50
M1340	Plumber - Overtime Rate	Hour	\$ 52.50
M1341	Welder - Overtime Rate	Hour	\$ 59.00
M1342	Laborer - Overtime Rate	Hour	\$ 46.25
<b>PER DIEM RATES</b>			
Request per diem rate for the location of the release site only when overnight lodging is necessary. These costs include meals, lodging, and incidental expenses.			
M1343	Locations in Virginia not listed in M codes M1344 through M1356	Day	\$ 80.00
M1344	Blacksburg, Harrisonburg, and Montgomery County	Day	\$ 81.00
M1345	Charlottesville	Day	\$ 98.00
M1346	Lexington	Day	\$ 83.00
M1347	Lynchburg	Day	\$ 96.00
M1348	Manassas, Manassas Park, Prince William County	Day	\$ 83.00
M1349	Richmond, Chesterfield County, Henrico County	Day	\$ 108.00

## 198 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M1350	Roanoke, Roanoke County	Day	\$ 88.00
M1351	Virginia Beach, Norfolk, Chesapeake, Portsmouth; May 1 - September 30	Day	\$ 146.00
M1352	Virginia Beach, Norfolk, Chesapeake, Portsmouth; October 1 - April 30	Day	\$ 115.00
M1353	Wallops Island, Accomack County; June 1 - October 14	Day	\$ 121.00
M1354	Wallops Island, Accomack County; October 15 - May 31	Day	\$ 100.00
M1355	Williamsburg, Yorktown, Gloucester, Hampton, Newport News, York County; April 1 - October 31	Day	\$ 125.00
M1356	Williamsburg, Yorktown, Gloucester, Hampton, Newport News, York County; November 1 - March 31	Day	\$ 99.00
M1357	Northern Virginia - includes Cities of Alexandria, Falls Church, Fairfax, and Counties of Arlington, Loudon, and Fairfax	Day	\$ 166.00
<b>STANDARD TURNAROUND</b> <b>WASTEWATER - WATER ANALYSES:</b> <b>rate includes sample container cost</b>			
M0100	California LUFT TPH - Gasoline	Sample	\$ 97.00
M0101	California LUFT TPH - Diesel	Sample	\$ 100.00
M1000	Wisconsin DNR TPH - GRO	Sample	\$ 105.00
M1001	Wisconsin DNR TPH - DRO	Sample	\$ 118.00
M1002	Standard Methods 9222D - Fecal Coliforms	Sample	\$ 33.00
M1003	Method 150.1 - pH	Sample	\$ 8.18
M1004	Method 160.1 - Dissolved Solids	Sample	\$ 16.00
M1005	Method 160.2 - Suspended Solids	Sample	\$ 16.00
M0104	Method 160.3 - Total Solids/Moisture	Sample	\$ 16.00
M1006	Method 160.4 - Volatile Solids	Sample	\$ 19.00
M0105	Method 305.1 - Acidity/Alkalinity	Sample	\$ 20.00
M1435	Method 405.1 - Biochemical Oxygen Demand - (BOD5)(405.1/SM5210B)	Sample	\$ 29.00
M1436	Method 405.1 - Biochemical Oxygen Demand, Carbonaceous - (CBOD5) (405.1/SM5210B)	Sample	\$ 32.00
M1007	Method 410.1 - Chemical Oxygen Demand	Sample	\$ 30.00
M1008	Method 413.1 - Oil & Grease	Sample	\$ 62.00
M1009	Method 415.1 - Total Organic Carbon	Sample	\$ 31.50
M0106	Method 418.1 - Total Petroleum Hydrocarbons	Sample	\$ 60.00
M0107	Method 601 - Purgeable Halocarbons	Sample	\$ 119.00
M0108	Method 602 - Purgeable Aromatics	Sample	\$ 91.00
M1010	Method 602 - Purgeable Aromatics with MTBE	Sample	\$ 98.00
M0109	Method 608 - Pesticides/PCBs	Sample	\$ 189.00
M0110	Method 610 - Polynuclear Aromatic Hydrocarbons (PAH)	Sample	\$ 166.00

## 198 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0111	Method 612 - Chlorinated Hydrocarbons	Sample	\$ 178.00
M0116	Method 624 - Volatile Organic Analysis: GC/MS	Sample	\$ 238.00
M0117	Method 625 - Base Neutral & Acid Extractable Organics	Sample	\$ 440.00
<b>STANDARD TURNAROUND</b>			
<b>SOLID WASTE - WATER - WASTEWATER ANALYSES:</b> rate includes sample container cost			
M0123	Method 418.1 Modified for Solid Waste - Total Petroleum Hydrocarbons	Sample	\$ 60.00
M0124	Reactivity SW 846 Ch. 7 P4	Sample	\$ 92.00
M0125	Method 1010/1020 (Ignitability)	Sample	\$ 41.50
M0126	Method 1110 (Corrosivity)	Sample	\$ 71.00
M0127	Method 1310 - EP Toxicity Metals	Sample	\$ 184.00
M0159	Method 1311 - Extraction for Semi-volatiles & Metals	Sample	\$ 79.00
M0158	Method 1311 - Zero Headspace Extraction (ZHE)	Sample	\$ 116.00
M1358	EnCore™ sample container for use with Method 5035	Container	\$ 7.50
M1359	TCLP Volatiles Analysis: - Method 8260B (must add ZHE)	Sample	\$ 216.00
M0160	TCLP Semi-volatiles Analysis: - Method 8270C (must add semi-volatile extraction)	Sample	\$ 346.00
M0162	TCLP Metals Analysis: - Method 7000 series (must add semi-volatile extraction)	Sample	\$ 140.00
M1011	Metals Analysis: - 6000 Series by ICP, a sample may be analyzed for multiple elements	Each Metal	\$ 18.00
M1012	Metals Analysis: - 7000 Series by FAA, a sample may be analyzed for multiple elements	Each Metal	\$ 14.50
M1360	TCLP Pesticide/Herbicide Analysis: - Method 8081A/8151A (must add semi-volatile extraction)	Sample	\$ 278.00
M1361	Method 8021B - Purgeable Halocarbons and Aromatic Volatile Organics in water/wastewater <u>only</u>	Sample	\$ 174.00
M1362	Method 8021B - Purgeable Halocarbons and Aromatic Volatile Organics in solid waste/soil <u>only</u>	Sample	\$ 227.50
M1363	Method 8021B - Purgeable Halocarbons in water/wastewater <u>only</u>	Sample	\$ 174.00
M1364	Method 8021B/5035 - Purgeable Halocarbons in solid waste/soil <u>only</u>	Sample	\$ 209.00
M1365	Method 8015B - modified TPH-GRO in water/wastewater <u>only</u>	Sample	\$ 82.50
M1366	Method 8015B - modified TPH-DRO in water/wastewater <u>only</u>	Sample	\$ 115.00
M1367	Method 8015B/5035 - modified TPH-GRO in solid waste/soil <u>only</u>	Sample	\$ 130.00
M1368	Method 8015B - modified TPH-DRO in solid waste/soil <u>only</u>	Sample	\$ 125.00
M1369	Method 8021B - BTEX Purgeable Aromatics water/wastewater <u>only</u>	Sample	\$ 82.00
M1370	Method 8021B/5035 - BTEX Purgeable Aromatics in solid waste/soil <u>only</u>	Sample	\$ 127.50
M1371	Method 8021B - BTEX/MTBE in water/wastewater <u>only</u>	Sample	\$ 92.00
M1372	Method 8021B/5035 - BTEX/MTBE in solid waste/soil <u>only</u>	Sample	\$ 130.00

## 198 PROGRAM MATERIAL UCRS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M1373	Method 8021B - BTEX/Napthalene in water/wastewater <u>only</u>	Sample	\$ 110.00
M1374	Method 8021B/5035 - BTEX/Napthalene in solid waste/soil <u>only</u>	Sample	\$ 150.00
M1375	Method 8021B - BTEX/MTBE/Napthalene in water/wastewater <u>only</u>	Sample	\$ 115.00
M1376	Method 8021B/5035 - BTEX/MTBE/Napthalene in solid waste/soil <u>only</u>	Sample	\$ 152.50
M1377	Method 8082 - PCBs	Sample	\$ 153.00
M0143	Method 8100 - PAH	Sample	\$ 166.00
M1378	Method 8121 - n-Chlorinated Hydrocarbons	Sample	\$ 178.00
M1379	Method 8260B - Volatile Organics GC/MS in water/wastewater <u>only</u>	Sample	\$ 204.00
M1380	Method 8260B/5035 - Volatile Organics GC/MS in solid waste/soil <u>only</u>	Sample	\$ 225.00
M0149	Method 8270C - Semi-volatile Organics	Sample	\$ 389.00
M0152	Method 9020 - Total Organic Halides (TOX) (9020/9021)	Sample	\$ 91.00
M0154	Method 9045 - pH (9040/9041/9045)	Sample	\$ 10.50
M0155	Method 9095 - Paint Filter	Sample	\$ 18.00
M0156	Method 9131 - Total Coliforms (9131/9132)	Sample	\$ 36.00
M0121	California LUFT TPH in soil - Gasoline	Sample	\$ 102.00
M0122	California LUFT TPH in soil - Diesel	Sample	\$ 106.00
M1014	Wisconsin DNR TPH in soil - GRO	Sample	\$ 120.00
M1015	Wisconsin DNR TPH in soil - DRO	Sample	\$ 130.00
<b>The methods within this box are being superceded and will not normally be approved for future analyses</b>			
M0161	TCLP Volatiles Analysis: - Method 8240B (must add ZHE )	Sample	\$ 216.00
M0163	TCLP Pesticide/Herbicide Analysis: - Method 8080/8150 (must add semi-volatile extraction)	Sample	\$ 278.00
M0138	Method 8010B - Purgeable Halocarbons	Sample	\$ 174.00
M0139	Method 8015B - modified (TPH) GC/FID	Sample	\$ 112.00
M0140	Method 8020A - BTEX Purgeable Aromatics	Sample	\$ 82.00
M1013	Method 8020A modified - BTEX/MTBE	Sample	\$ 92.00
M0142	Method 8080A - PCBs	Sample	\$ 153.00
M0144	Method 8120A - n-Chlorinated Hydrocarbons	Sample	\$ 178.00
M0147	Method 8240B - Volatile Organics GC/MS	Sample	\$ 231.00
M0148	Method 8250A - Semi-volatile Organics (packed column)	Sample	\$ 556.00
<b>STANDARD TURNAROUND</b> <b>AIR ANALYSIS:</b> <b>rate includes sample container cost</b>			
M0157	Method TO3 - Volatile Non-Polar Organics	Sample	\$ 297.00
M1381	Method 18 BTEX - GC/FID	Sample	\$ 90.00

## 198 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M1382	Method 18 BTEX/Total Volatile Petroleum Hydrocarbons (C <sub>4</sub> -C <sub>10</sub> ) - GC/FID	Sample	\$ 125.00
<b>48 HOUR TURNAROUND</b> <b>WASTEWATER - WATER ANALYSES:</b> <b>rate includes sample container cost</b>			
M1016	California LUFT TPH - Gasoline	Sample	\$ 145.50
M1017	California LUFT TPH - Diesel	Sample	\$ 150.00
M1018	Wisconsin DNR TPH - GRO	Sample	\$ 157.50
M1019	Wisconsin DNR TPH - DRO	Sample	\$ 177.00
M1020	Standard Methods 9222D - Fecal Coliforms	Sample	\$ 49.50
M1021	Method 150.1 - pH	Sample	\$ 12.27
M1022	Method 160.1 - Dissolved Solids	Sample	\$ 24.00
M1023	Method 160.2 - Suspended Solids	Sample	\$ 24.00
M1024	Method 160.3 - Total Solids/Moisture	Sample	\$ 24.00
M1025	Method 160.4 - Volatile Solids	Sample	\$ 28.50
M1026	Method 305.1 - Acidity/Alkalinity	Sample	\$ 30.00
M1437	Method 405.1 - Biochemical Oxygen Demand - (BOD <sub>5</sub> )(405.1/SM5210B)	Sample	\$ 43.50
M1438	Method 405.1 - Biochemical Oxygen Demand, Carbonaceous - (CBOD <sub>5</sub> )(405.1/SM5210B)	Sample	\$ 48.00
M1027	Method 410.1 - Chemical Oxygen Demand	Sample	\$ 45.00
M1028	Method 413.1 - Oil & Grease	Sample	\$ 93.00
M1029	Method 415.1 - Total Organic Carbon	Sample	\$ 47.25
M1030	Method 418.1 - Total Petroleum Hydrocarbons	Sample	\$ 90.00
M1031	Method 601 - Purgeable Halocarbons	Sample	\$ 178.50
M1032	Method 602 - Purgeable Aromatics	Sample	\$ 136.50
M1033	Method 602 - Purgeable Aromatics with MTBE	Sample	\$ 147.00
M1034	Method 608 - Pesticides/PCBs	Sample	\$ 283.50
M1035	Method 610 - Polynuclear Aromatic Hydrocarbons (PAH)	Sample	\$ 249.00
M1036	Method 612 - Chlorinated Hydrocarbons	Sample	\$ 267.00
M1037	Method 624 - Volatile Organic Analysis: GC/MS	Sample	\$ 357.00
M1038	Method 625 - Base Neutral & Acid Extractable Organics	Sample	\$ 660.00
<b>48 HOUR TURNAROUND</b> <b>SOLID WASTE - WATER - WASTEWATER ANALYSES:</b> <b>rate includes sample container cost</b>			
M1039	Method 418.1 Modified for Solid Waste - Total Petroleum Hydrocarbons	Sample	\$ 90.00
M1040	Reactivity SW 846 Ch. 7 P4	Sample	\$ 138.00
M1041	Method 1010/1020 (Ignitability)	Sample	\$ 62.25

## 198 PROGRAM MATERIAL UCRS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M1042	Method 1110 (Corrosivity)	Sample	\$ 106.50
M1043	Method 1310 - EP Toxicity Metals	Sample	\$ 276.00
M1044	Method 1311 - Extraction for Semi-volatiles & Metals	Sample	\$ 118.50
M1045	Method 1311 - Zero Headspace Extraction (ZHE)	Sample	\$ 174.00
M1358	EnCore™ sample container for use with Method 5035	Container	\$ 7.50
M1383	TCLP Volatiles Analysis: - Method 8260B (must add ZHE)	Sample	\$ 324.00
M1047	TCLP Semi-volatiles Analysis: - Method 8270C (must add semi-volatile extraction)	Sample	\$ 519.00
M1048	TCLP Metals Analysis: - Method 7000 series (must add semi-volatile extraction)	Sample	\$ 210.00
M1049	Metals Analysis: - 6000 Series by ICP, a sample may be analyzed for multiple elements	Each Metal	\$ 27.00
M1050	Metals Analysis: - 7000 Series by FAA, a sample may be analyzed for multiple elements	Each Metal	\$ 21.75
M1384	TCLP Pesticide/Herbicide Analysis: - Method 8081A/8151A (must add semi-volatile extraction)	Sample	\$ 417.00
M1385	Method 8021B - Purgeable Halocarbons and Aromatic Volatile Organics in water/wastewater <u>only</u>	Sample	\$ 261.00
M1386	Method 8021B - Purgeable Halocarbons and Aromatic Volatile Organics in solid waste/soil <u>only</u>	Sample	\$ 341.25
M1387	Method 8021B - Purgeable Halocarbons in water/wastewater <u>only</u>	Sample	\$ 261.00
M1388	Method 8021B/5035 - Purgeable Halocarbons in solid waste/soil <u>only</u>	Sample	\$ 313.50
M1389	Method 8015B - modified TPH-GRO in water/wastewater <u>only</u>	Sample	\$ 123.75
M1390	Method 8015B - modified TPH-DRO in water/wastewater <u>only</u>	Sample	\$ 172.50
M1391	Method 8015B/5035 - modified TPH-GRO in solid waste/soil <u>only</u>	Sample	\$ 195.00
M1392	Method 8015B - modified TPH-DRO in solid waste/soil <u>only</u>	Sample	\$ 187.50
M1393	Method 8021B - BTEX Purgeable Aromatics water/wastewater <u>only</u>	Sample	\$ 123.00
M1394	Method 8021B/5035 - BTEX Purgeable Aromatics in solid waste/soil <u>only</u>	Sample	\$ 191.75
M1395	Method 8021B - BTEX/MTBE in water/wastewater <u>only</u>	Sample	\$ 138.00
M1396	Method 8021B/5035 - BTEX/MTBE in solid waste/soil <u>only</u>	Sample	\$ 195.00
M1397	Method 8021B - BTEX/Napthalene in water/wastewater <u>only</u>	Sample	\$ 165.00
M1398	Method 8021B/5035 - BTEX/Napthalene in solid waste/soil <u>only</u>	Sample	\$ 225.00
M1399	Method 8021B - BTEX/MTBE/Napthalene in water/wastewater <u>only</u>	Sample	\$ 172.50
M1400	Method 8021B/5035 - BTEX/MTBE/Napthalene in solid waste/soil <u>only</u>	Sample	\$ 228.75
M1401	Method 8082 - PCBs	Sample	\$ 229.50
M1057	Method 8100 - PAH	Sample	\$ 249.00
M1402	Method 8121 - n-Chlorinated Hydrocarbons	Sample	\$ 267.00
M1403	Method 8260B - Volatile Organics GC/MS in water/wastewater <u>only</u>	Sample	\$ 306.00

## 198 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M1404	Method 8260B/5035 - Volatile Organics GC/MS in solid waste/soil <u>only</u>	Sample	\$ 337.50
M1061	Method 8270C - Semi-volatile Organics	Sample	\$ 583.00
M1062	Method 9020 - Total Organic Halides (TOX) (9020/9021)	Sample	\$ 136.50
M1063	Method 9045 - pH (9040/9041/9045)	Sample	\$ 15.75
M1064	Method 9095 - Paint Filter	Sample	\$ 27.00
M1065	Method 9131 - Total Coliforms (9131/9132)	Sample	\$ 54.00
M1066	California LUFT TPH in soil - Gasoline	Sample	\$ 153.00
M1067	California LUFT TPH in soil - Diesel	Sample	\$ 159.00
M1068	Wisconsin DNR TPH in soil - GRO	Sample	\$ 180.00
M1069	Wisconsin DNR TPH in soil - DRO	Sample	\$ 195.00
<b>The methods within this box are being superceded and will not normally be approved for future analyses</b>			
M1046	TCLP Volatiles Analysis: - Method 8240 (must add ZHE)	Sample	\$ 324.00
M1051	TCLP Pesticide/Herbicide Analysis: - Method or 8080/8150 (must add semi-volatile extraction)	Sample	\$ 417.00
M1052	Method 8010B- Purgeable Halocarbons	Sample	\$ 261.00
M1053	Method 8015B - modified (TPH) GC/FID	Sample	\$ 168.00
M1054	Method 8020A - BTEX Purgeable Aromatics	Sample	\$ 123.00
M1055	Method 8020A modified - BTEX/MTBE	Sample	\$ 138.00
M1056	Method 8080A - PCBs	Sample	\$ 229.50
M1058	Method 8120A - n-Chlorinated Hydrocarbons	Sample	\$ 267.00
M1059	Method 8240B - Volatile Organics GC/MS	Sample	\$ 346.00
M1060	Method 8250A - Semi-volatile Organics (packed column)	Sample	\$ 834.00
<b>48 HOUR TURNAROUND</b>			
<b>AIR ANALYSIS:</b>			
<b>rate includes sample container cost</b>			
M1070	Method TO3 - Volatile Non-Polar Organics	Sample	\$ 445.50
M1405	Method 18 BTEX - GC/FID	Sample	\$ 135.00
M1406	Method 18 BTEX/Total Volatile Petroleum Hydrocarbons (C <sub>4</sub> -C <sub>10</sub> ) - GC/FID	Sample	\$ 187.50
<b>24 HOUR TURNAROUND</b>			
<b>WASTEWATER - WATER ANALYSES:</b>			
<b>rate includes sample container cost</b>			
M1071	California LUFT TPH - Gasoline	Sample	\$ 194.00
M1072	California LUFT TPH - Diesel	Sample	\$ 200.00
M1073	Wisconsin DNR TPH - GRO	Sample	\$ 210.00
M1074	Wisconsin DNR TPH - DRO	Sample	\$ 236.00

## 198 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M1075	Standard Methods 9222D - Fecal Coliforms	Sample	\$ 66.00
M1076	Method 150.1 - pH	Sample	\$ 16.36
M1077	Method 160.1 - Dissolved Solids	Sample	\$ 32.00
M1078	Method 160.2 - Suspended Solids	Sample	\$ 32.00
M1079	Method 160.3 - Total Solids/Moisture	Sample	\$ 32.00
M1080	Method 160.4 - Volatile Solids	Sample	\$ 38.00
M1081	Method 305.1 - Acidity/Alkalinity	Sample	\$ 40.00
M1439	Method 405.1 - Biochemical Oxygen Demand - (BOD5)(405.1/SM5210B)	Sample	\$ 58.00
M1440	Method 405.1 - Biochemical Oxygen Demand, Carbonaceous - (CBOD5) (405.1/SM5210B)	Sample	\$ 64.00
M1082	Method 410.1 - Chemical Oxygen Demand	Sample	\$ 60.00
M1083	Method 413.1 - Oil & Grease	Sample	\$ 124.00
M1084	Method 415.1 - Total Organic Carbon	Sample	\$ 63.00
M1085	Method 418.1 - Total Petroleum Hydrocarbons	Sample	\$ 120.00
M1086	Method 601 - Purgeable Halocarbons	Sample	\$ 238.00
M1087	Method 602 - Purgeable Aromatics	Sample	\$ 182.00
M1088	Method 602 - Purgeable Aromatics with MTBE	Sample	\$ 196.00
M1089	Method 608 - Pesticides/PCBs	Sample	\$ 378.00
M1090	Method 610 - Polynuclear Aromatic Hydrocarbons (PAH)	Sample	\$ 332.00
M1091	Method 612 - Chlorinated Hydrocarbons	Sample	\$ 356.00
M1092	Method 624 - Volatile Organic Analysis: GC/MS	Sample	\$ 476.00
M1093	Method 625 - Base Neutral & Acid Extractable Organics	Sample	\$ 880.00
<b>24 HOUR TURNAROUND</b> <b>SOLID WASTE - WATER - WASTEWATER ANALYSES:</b> <b>rate includes sample container cost</b>			
M1094	Method 418.1 Modified for Solid Waste - Total Petroleum Hydrocarbons	Sample	\$ 120.00
M1095	Reactivity SW 846 Ch. 7 P4	Sample	\$ 184.00
M1096	Method 1010/1020 (Ignitability)	Sample	\$ 83.00
M1097	Method 1110 (Corrosivity)	Sample	\$ 142.00
M1098	Method 1310 - EP Toxicity Metals	Sample	\$ 368.00
M1099	Method 1311 - Extraction for Semi-volatiles & Metals	Sample	\$ 158.00
M1100	Method 1311 - Zero Headspace Extraction (ZHE)	Sample	\$ 232.00
M1358	EnCore™ sample container for use with Method 5035	Container	\$ 7.50
M1407	TCLP Volatiles Analysis: - Method 8260B (must add ZHE )	Sample	\$ 432.00
M1102	TCLP Semi-volatiles Analysis: - Method 8270C (must add semi-volatile extraction)	Sample	\$ 692.00

## 198 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M1103	TCLP Metals Analysis: - Method 7000 series (must add semi-volatile extraction)	Sample	\$ 280.00
M1104	Metals Analysis: - 6000 Series by ICP, a sample may be analyzed for multiple elements	Each Metal	\$ 36.00
M1105	Metals Analysis: - 7000 Series by FAA, a sample may be analyzed for multiple elements	Each Metal	\$ 29.00
M1408	TCLP Pesticide/Herbicide Analysis: - Method 8081A/8151A (must add semi-volatile extraction)	Sample	\$556.00
M1409	Method 8021B - Purgeable Halocarbons and Aromatic Volatile Organics in water/wastewater <u>only</u>	Sample	\$ 348.00
M1410	Method 8021B - Purgeable Halocarbons and Aromatic Volatile Organics in solid waste/soil <u>only</u>	Sample	\$ 455.00
M1411	Method 8021B - Purgeable Halocarbons in water/wastewater <u>only</u>	Sample	\$ 348.00
M1412	Method 8021B/5035 - Purgeable Halocarbons in solid waste/soil <u>only</u>	Sample	\$ 418.00
M1413	Method 8015B - modified TPH-GRO in water/wastewater <u>only</u>	Sample	\$ 165.00
M1414	Method 8015B - modified TPH-DRO in water/wastewater <u>only</u>	Sample	\$ 230.00
M1415	Method 8015B/5035 - modified TPH-GRO in solid waste/soil <u>only</u>	Sample	\$ 260.00
M1416	Method 8015B - modified TPH-DRO in solid waste/soil <u>only</u>	Sample	\$ 250.00
M1417	Method 8021B - BTEX Purgeable Aromatics water/wastewater <u>only</u>	Sample	\$ 164.00
M1418	Method 8021B/5035 - BTEX Purgeable Aromatics in solid waste/soil <u>only</u>	Sample	\$ 255.00
M1419	Method 8021B - BTEX/MTBE in water/wastewater <u>only</u>	Sample	\$ 184.00
M1420	Method 8021B/5035 - BTEX/MTBE in solid waste/soil <u>only</u>	Sample	\$ 260.00
M1421	Method 8021B - BTEX/Napthalene in water/wastewater <u>only</u>	Sample	\$ 220.00
M1422	Method 8021B/5035 - BTEX/Napthalene in solid waste/soil <u>only</u>	Sample	\$ 300.00
M1423	Method 8021B - BTEX/MTBE/Napthalene in water/wastewater <u>only</u>	Sample	\$ 230.00
M1424	Method 8021B/5035 - BTEX/MTBE/Napthalene in solid waste/soil <u>only</u>	Sample	\$ 305.00
M1425	Method 8082 - PCBs	Sample	\$ 306.00
M1112	Method 8100 - PAH	Sample	\$ 332.00
M1426	Method 8121 - n-Chlorinated Hydrocarbons	Sample	\$ 356.00
M1427	Method 8260B - Volatile Organics GC/MS in water/wastewater <u>only</u>	Sample	\$ 408.00
M1428	Method 8260B/5035 - Volatile Organics GC/MS in solid waste/soil <u>only</u>	Sample	\$ 450.00
M1116	Method 8270C - Semi-volatile Organics	Sample	\$ 778.00
M1117	Method 9020 - Total Organic Halides (TOX) (9020/9021)	Sample	\$ 182.00
M1118	Method 9045 - pH (9040/9041/9045)	Sample	\$ 21.00
M1119	Method 9095 - Paint Filter	Sample	\$ 36.00
M1120	Method 9131 - Total Coliforms (9131/9132)	Sample	\$ 72.00
M1121	California LUFT TPH in soil - Gasoline	Sample	\$ 204.00
M1122	California LUFT TPH in soil - Diesel	Sample	\$ 212.00

## 198 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M1123	Wisconsin DNR TPH in soil - GRO	Sample	\$ 240.00
M1124	Wisconsin DNR TPH in soil - DRO	Sample	\$ 260.00
<b>The methods within this box are being superceded and will not normally be approved for future analyses</b>			
M1101	TCLP Volatiles Analysis: - Method 8240B (must add ZHE )	Sample	\$ 432.00
M1106	TCLP Pesticide/Herbicide Analysis: - Method 8080/8150 (must add semi-volatile extraction)	Sample	\$ 556.00
M1107	Method 8010B- Purgeable Halocarbons	Sample	\$ 348.00
M1108	Method 8015B - modified (TPH) GC/FID	Sample	\$ 224.00
M1109	Method 8020A - BTEX Purgeable Aromatics	Sample	\$ 164.00
M1110	Method 8020A modified - BTEX/MTBE	Sample	\$ 184.00
M1111	Method 8080A - PCBs	Sample	\$ 306.00
M1113	Method 8120A - n-Chlorinated Hydrocarbons	Sample	\$ 356.00
M1114	Method 8240B - Volatile Organics GC/MS	Sample	\$ 462.00
M1115	Method 8250A - Semi-volatile Organics (packed column)	Sample	\$ 1,112.00
<b>24 HOUR TURNAROUND</b>			
<b>AIR ANALYSIS: rate includes sample container cost</b>			
M1125	Method TO3 - Volatile Non-Polar Organics	Sample	\$ 594.00
M1429	Method 18 BTEX - GC/FID	Sample	\$ 180.00
M1430	Method 18 BTEX/Total Volatile Petroleum Hydrocarbons (C <sub>4</sub> -C <sub>10</sub> ) - GC/FID	Sample	\$ 250.00
<b>GEOPHYSICAL TESTS</b>			
M0165	Constant Head Permeability Test - ASTM Method D2432	Test	\$ 155.00
M0164	Falling Head Permeability Test - EPA Method 9100	Test	\$ 475.00
<b>TREATMENT - CONTAINMENT - RECOVERY</b>			
M1126	Activated Carbon Adsorber - Liquid Phase, 150# unit, min. 75 psig	Unit	\$ 545.00
M1127	Activated Carbon Adsorber - Liquid Phase, 200# unit	Unit	\$ 496.00
M1128	Activated Carbon Adsorber - Liquid Phase, 200# unit, min. 75 psig	Unit	\$ 740.00
M1129	Activated Carbon Adsorber - Liquid Phase, 300# unit, min. 75 psig	Unit	\$ 1,110.00
M1130	Activated Carbon Adsorber - Vapor Phase, 200# unit, max. 100 CFM	Unit	\$ 475.00
M1131	Activated Carbon Adsorber - Vapor Phase, 300# unit, max. 200 CFM	Unit	\$ 655.00
M1132	Activated Carbon Adsorber - Vapor Phase, 400# unit, max. 300 CFM	Unit	\$ 1,100.00
M1133	Containment Boom - w/10" skirt	Foot/Day	\$ 1.00
M1134	Containment Boom Cleaning #4/#6 Fuel Oil - includes personnel and equipment	Foot	\$ 1.25

## 198 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M1135	Containment Boom Cleaning Diesel/#2 Fuel Oil - includes personnel and equipment	Foot	\$ 0.30
M1136	Containment Boom Cleaning Gas/Kerosene - includes personnel and equipment	Foot	\$ 0.20
M0033	Fertilizer (10-10-10)	50 lb.	\$ 5.00
M1137	Hydrogen Peroxide	500 lb. drum	\$ 279.00
M0046	Lumber 2 x 4" x 12'	Each	\$ 5.25
M0047	Lumber 4" x 4" x 12'	Each	\$ 10.50
M1441	Oxygen Releasing Compound - 2" Socks	Each	\$ 34.00
M1442	Oxygen Releasing Compound - 4" Socks	Each	\$ 53.25
M1443	Oxygen Releasing Compound - 6" Socks	Each	\$ 80.25
M1444	Oxygen Releasing Compound Canisters w/o socks - 4" (for wells >40' deep)	Each	\$ 71.50
M1445	Oxygen Releasing Compound Canisters w/o socks - 6" (for wells >40' deep)	Each	\$ 99.00
M1138	Passive Oil Skimmers - 2"	Each	\$ 482.00
M1139	Passive Oil Skimmers - 4"	Each	\$ 483.00
M0057	Plywood (4 ft x 8 ft x 0.5 in)	Each	\$ 18.00
M1140	Portable Tank - 4,000 gal. polyethylene	Day	\$ 38.00
M1141	Portable Tank - 4,000 gal. polyethylene	Week	\$ 153.00
M1142	Portable Tank - 4,000 gal. polyethylene	Month	\$ 535.00
M1143	Portable Tank - 4,000 gal. polyethylene, trailer mounted	Day	\$ 89.00
M1144	Portable Tank - 4,000 gal. polyethylene, trailer mounted	Week	\$ 357.00
M1145	Portable Tank - 4,000 gal. polyethylene, trailer mounted	Month	\$ 1,250.00
M0307	Portable Tank - 650 gal. polyethylene	Day	\$ 25.50
M0308	Portable Tank - 650 gal. polyethylene	Week	\$ 102.00
M0309	Portable Tank - 650 gal. polyethylene	Month	\$ 357.00
M0442	Product Collection Tank with Oil/Water Separator (1,000 Gallon)	Day	\$ 186.00
M0443	Product Collection Tank with Oil/Water Separator (1,000 Gallon)	Week	\$ 650.00
M0444	Product Collection Tank with Oil/Water Separator (1,000 Gallon)	Month	\$ 2,210.00
M0439	Product Collection Tank with Oil/Water Separator (550 Gallon)	Day	\$ 134.00
M0440	Product Collection Tank with Oil/Water Separator (550 Gallon)	Week	\$ 498.00
M0441	Product Collection Tank with Oil/Water Separator (550 Gallon)	Month	\$ 1,470.00
M1146	Reinforcing Bar - 3'	Each	\$ 1.00
M0079	Sorbent Booms 5" x 10'	Each	\$ 23.50
M1147	Sorbent Booms 8" x 10'	Each	\$ 36.50
M0080	Sorbent Litter	Bag	\$ 16.50
M1148	Sorbent Pad 18" x 18", 100 per box	Box	\$ 58.00

## 198 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M1149	Sorbent Pillow 24" x 18" x 2"	Each	\$ 6.09
M1150	Sorbent Wicks - 2"	Dozen	\$ 74.00
M1151	Sorbent Wicks - 2" Canister	Each	\$ 60.00
M1152	Sorbent Wicks - 4"	Dozen	\$ 75.00
M1153	Sorbent Wicks - 4" Canister	Each	\$ 100.00
M1154	Straw Bale	Each	\$ 4.00
M0485	Water Bottle (5 gallon)	Bottle	\$ 5.25
M0484	Water Dispenser - hot/cold (5 gallon)	Month	\$ 8.75
M1432	15 GPM Low Profile Air Stripper capable of 98% BTEX removal with blower & motor, control panel, sump pump	Month	\$ 1,665.00
M1433	25 GPM Low Profile Air Stripper capable of 98% BTEX removal with blower & motor, control panel, sump pump	Month	\$ 2,240.00
M1434	50 GPM Low Profile Air Stripper capable of 98% BTEX removal with blower & motor, control panel, sump pump	Month	\$ 2,665.00
	<b>SAMPLING - DECONTAMINATION EQUIPMENT</b>		
M1155	Alconox	4# Box	\$ 14.50
M1156	Bailer - Disposable HDPE, 0.75" OD x 3'	Each	\$ 4.55
M1157	Bailer - Disposable Polyethylene, 1.66" OD x 3'	Each	\$ 6.85
M1158	Bailer - Disposable PVC, 1.66" OD x 3'	Each	\$ 11.50
M1159	Bailer - Disposable Teflon, .75" OD x 3', 180 cc	Each	\$ 16.00
M1160	Bailer - Disposable Teflon, 1-7/8" OD x 3', 1,050 cc	Each	\$ 21.00
M1161	Bailer - Stainless Steel, 1.75" OD x 2'	Each	\$ 130.00
M1162	Bailer - Stainless Steel, 1.75" OD x 3'	Each	\$ 127.00
M1163	Brushes, bailer 1.5"	Each	\$ 6.55
M0024	Brushes, scrub w/6" handle	Each	\$ 5.00
M0025	Bucket, Polyethylene 5 gal.	Each	\$ 3.25
M1164	Cooler 48 qt.	Each	\$ 24.50
M1165	Cooler 60 qt.	Each	\$ 53.00
M0026	De-ionized Water	Gallon	\$ 12.00
M0247	Draeger Bellows Pump	Day	\$ 30.00
M0248	Draeger Bellows Pump	Week	\$ 35.00
M0249	Draeger Bellows Pump	Month	\$ 0.00
M1166	Draeger Tubes - petroleum hydrocarbons	Box of 10	\$ 46.50
M0277	Hand Auger	Day	\$ 15.00
M0278	Hand Auger	Week	\$ 60.00
M0045	Ice	20 lb. Bag	\$ 3.00

## 198 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M1167	Rope - polypropylene 3 strand	Foot	\$ 0.50
M0099	Shipping Laboratory Samples	Cooler	\$ 70.00
M0089	Tedlar Bag - 1 liter	Each	\$ 25.00
M1431	Tedlar Bag - 5 liter	Each	\$ 29.00
<b>METERS - DETECTORS</b>			
M0253	Combustible Gas/Oxygen Indicator	Day	\$ 55.00
M0254	Combustible Gas/Oxygen Indicator	Week	\$ 165.00
M0255	Combustible Gas/Oxygen Indicator	Month	\$ 475.00
M0229	Conductivity/ Salinity/Temperature Meter	Day	\$ 55.00
M0230	Conductivity/ Salinity/Temperature Meter	Week	\$ 75.00
M0231	Conductivity/ Salinity/Temperature Meter	Month	\$ 262.00
M1168	Data Logger Pressure Transducer	Day	\$ 65.00
M1169	Data Logger Pressure Transducer	Week	\$ 228.00
M1170	Data Logger Pressure Transducer	Month	\$ 615.00
M1171	Dissolved Oxygen Meter with probe	Day	\$ 50.00
M1172	Dissolved Oxygen Meter with probe	Week	\$ 148.00
M1173	Dissolved Oxygen Meter with probe	Month	\$ 480.00
M1174	Magnetometer - Portable	Day	\$ 53.00
M1175	Magnetometer - Portable	Week	\$ 183.00
M1176	Magnetometer - Portable	Month	\$ 535.00
M0292	Measuring Wheel	Day	\$ 4.00
M0293	Measuring Wheel	Week	\$ 23.00
M0294	Measuring Wheel	Month	\$ 35.00
M1177	Multi-channel Data Logger	Day	\$ 245.00
M1178	Multi-channel Data Logger	Week	\$ 735.00
M1179	Multi-channel Data Logger	Month	\$ 1,920.00
M0298	Oil/Water Interface Probe with 100" cable	Day	\$ 58.00
M0299	Oil/Water Interface Probe with 100" cable	Week	\$ 158.00
M0300	Oil/Water Interface Probe with 100" cable	Month	\$ 370.00
M0256	Organic Vapor Analyzer, FID	Day	\$ 172.00
M0257	Organic Vapor Analyzer, FID	Week	\$ 448.00
M0258	Organic Vapor Analyzer, FID	Month	\$ 1,210.00
M0301	pH Meter	Day	\$ 16.50
M0302	pH Meter	Week	\$ 64.00

## 198 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0303	pH Meter	Month	\$ 169.00
M0304	PID	Day	\$ 153.00
M0305	PID	Week	\$ 362.00
M0306	PID	Month	\$ 985.00
M0313	Portable Gas Chromatograph	Day	\$ 236.00
M0314	Portable Gas Chromatograph	Week	\$ 945.00
M0315	Portable Gas Chromatograph	Month	\$ 2,590.00
M1180	Survey Level with Tripod	Day	\$ 35.00
M1181	Survey Level with Tripod	Week	\$ 140.00
M1182	Survey Level with Tripod	Month	\$ 420.00
M0486	Water Level Indicator	Day	\$ 27.50
M0487	Water Level Indicator	Week	\$ 81.00
M0488	Water Level Indicator	Month	\$ 270.00
<b>SAFETY EQUIPMENT</b>			
M1183	Barricade - concrete 10' x 3'	Month	\$ 5.61
M1184	Barricade - Type I with Light	Day	\$ 13.00
M1185	Barricade - Type I with Light	Week	\$ 13.00
M1186	Barricade - Type I with Light	Month	\$ 29.00
M1187	Boots - Chest Waders	Pair	\$ 88.00
M0094	Boots - Hip Waders	Pair	\$ 62.00
M1188	Boots, Neoprene	Pair	\$ 34.00
M0077	Boots, PVC	Pair	\$ 18.50
M0032	Face shield (reusable)	Each	\$ 14.50
M1189	Fence Posts - 4' Metal	Each	\$ 0.97
M0262	Flood Lights 2 x 1,000 watts with generator	Day	\$ 80.00
M0263	Flood Lights 2 x 1,000 watts with generator	Week	\$ 295.00
M0264	Flood Lights 2 x 1,000 watts with generator	Month	\$ 775.00
M1190	Flood Lights 4 x 1,000 watts with generator	Day	\$ 100.00
M1191	Flood Lights 4 x 1,000 watts with generator	Week	\$ 350.00
M1192	Flood Lights 4 x 1,000 watts with generator	Month	\$ 700.00
M1193	Gloves - Reusable Butyl	Pair	\$ 24.50
M1194	Gloves - Reusable Neoprene	Pair	\$ 4.38
M0038	Gloves - Reusable PVC/Nitril	Pair	\$ 4.38
M1195	Gloves - Reusable Viton	Pair	\$ 4.62

## 198 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0318	Portable Toilet - Chemical	Month	\$ 119.00
M0445	Respirator - Full Face, Dual Cartridge	Day	\$ 20.00
M0446	Respirator - Full Face, Dual Cartridge	Week	\$ 30.00
M0447	Respirator - Full Face, Dual Cartridge	Month	\$ 0.00
M0062	Respirator Cartridge - organic vapor level "C"	Each	\$ 9.51
M1196	Road Safety Cones	Cone/Day	\$ 1.00
M1197	Road Safety Cones	Cone/Week	\$ 3.00
M1198	Road Safety Cones	Cone/Month	\$ 6.00
M0454	Safety Belt	Day	\$ 4.75
M0455	Safety Belt	Week	\$ 14.50
M0456	Safety Belt	Month	\$ 48.00
M0067	Safety fence (4' X 100' rolls)	Foot	\$ 1.00
M0075	Saranex Suit	Each	\$ 27.00
M1199	Saranex Suit w/ hood	Each	\$ 29.50
M0460	SCBA - with Mask, Tank, Facepiece	Day	\$ 110.00
M0461	SCBA - with Mask, Tank, Facepiece	Week	\$ 165.00
M0076	Shoe Covers / latex	Pair	\$ 3.95
M0084	Tape - Caution 3" x 1,000' roll	Roll	\$ 17.00
M0085	Tape - Duct 2" x 180'	Roll	\$ 3.90
M0086	Tape - Electrical 3/4" x 66'	Roll	\$ 3.09
M0087	Tape - Survey Flagging	Roll	\$ 1.35
M0088	Tape - Teflon 1/2" x 260"	Roll	\$ 0.60
M0090	Tyvek Suit	Each	\$ 3.57
<b>PUMPS - HOSES</b>			
M0331	Discharge Hose - 2" x 50'	Day	\$ 7.00
M0332	Discharge Hose - 2" x 50'	Week	\$ 16.00
M0333	Discharge Hose - 2" x 50'	Month	\$ 29.00
M0334	Discharge Hose - 3" x 50'	Day	\$ 10.00
M0335	Discharge Hose - 3" x 50'	Week	\$ 25.00
M0336	Discharge Hose - 3" x 50'	Month	\$ 58.00
M0394	Peristaltic Pump - including tubing	Day	\$ 60.00
M0395	Peristaltic Pump - including tubing	Week	\$ 183.00
M0396	Peristaltic Pump - including tubing	Month	\$ 499.00
M1200	Pneumatic Pump - 2" including controller and compressor	Day	\$ 150.00

## 198 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M1201	Pneumatic Pump - 2" including controller and compressor	Week	\$ 350.00
M1202	Pneumatic Pump - 2" including controller and compressor	Month	\$ 1,000.00
M1203	Skimmer Pump - 2" including compressor, controller, and probe	Purchase/Each	\$ 3,230.00
M0413	Skimmer Pump - 2" including compressor, controller, and probe	Week	\$ 300.00
M0414	Skimmer Pump - 2" including compressor, controller, and probe	Month	\$ 900.00
M1204	Skimmer Pump - 4" including compressor, controller, and probe	Purchase/Each	\$ 3,090.00
M1205	Submersible 2" Total Fluids Pump including controller	Day	\$ 153.00
M1206	Submersible 2" Total Fluids Pump including controller	Week	\$ 435.00
M1207	Submersible 2" Total Fluids Pump including controller	Month	\$ 1,330.00
M1208	Submersible 4" Total Fluids Pump, 1 hp, 15 gpm	Day	\$ 100.00
M1209	Submersible 4" Total Fluids Pump, 1 hp, 15 gpm	Week	\$ 235.00
M1210	Submersible 4" Total Fluids Pump, 1 hp, 15 gpm	Month	\$ 600.00
M1211	Submersible 4" Total Fluids Pump, 1 hp, 25 gpm	Day	\$ 150.00
M1212	Submersible 4" Total Fluids Pump, 1 hp, 25 gpm	Week	\$ 335.00
M1213	Submersible 4" Total Fluids Pump, 1 hp, 25 gpm	Month	\$ 750.00
M1214	Submersible 4" Total Fluids Pump, 1 hp, 5 gpm	Day	\$ 75.00
M1215	Submersible 4" Total Fluids Pump, 1 hp, 5 gpm	Week	\$ 200.00
M1216	Submersible 4" Total Fluids Pump, 1 hp, 5 gpm	Month	\$ 500.00
M0349	Suction Hose - 2" x 20'	Day	\$ 6.00
M0350	Suction Hose - 2" x 20'	Week	\$ 17.00
M0351	Suction Hose - 2" x 20'	Month	\$ 29.00
M0352	Suction Hose - 3" x 20'	Day	\$ 8.00
M0353	Suction Hose - 3" x 20'	Week	\$ 25.00
M0354	Suction Hose - 3" x 20'	Month	\$ 48.00
M0355	Suction Hose - 4" x 20'	Day	\$ 24.00
M0356	Suction Hose - 4" x 20'	Week	\$ 48.00
M0357	Suction Hose - 4" x 20'	Month	\$ 114.00
M0358	Suction Hose - 6" x 20'	Day	\$ 44.00
M0359	Suction Hose - 6" x 20'	Week	\$ 95.00
M0360	Suction Hose - 6" x 20'	Month	\$ 196.00
M0430	Trash Pump - 2"	Day	\$ 40.00
M0431	Trash Pump - 2"	Week	\$ 140.00
M0432	Trash Pump - 2"	Month	\$ 400.00
M1217	Trash Pump - 3"	Day	\$ 50.00
M1218	Trash Pump - 3"	Week	\$ 175.00

## 198 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M1219	Trash Pump - 3"	Month	\$ 500.00
<b>COMPRESSORS - BLOWERS - HOSES</b>			
M1220	Air Compressor - 100 CFM, diesel powered	Day	\$ 65.00
M1221	Air Compressor - 100 CFM, diesel powered	Week	\$ 275.00
M1222	Air Compressor - 100 CFM, diesel powered	Month	\$ 450.00
M1223	Air Compressor - 175 CFM, diesel powered	Day	\$ 75.00
M1224	Air Compressor - 175 CFM, diesel powered	Week	\$ 300.00
M1225	Air Compressor - 175 CFM, diesel powered	Month	\$ 600.00
M1226	Air Compressor - 5 HP gas powered, 125 PSIG, 15 CFM	Day	\$ 40.00
M1227	Air Compressor - 5 HP gas powered, 125 PSIG, 15 CFM	Week	\$ 140.00
M1228	Air Compressor - 5 HP gas powered, 125 PSIG, 15 CFM	Month	\$ 400.00
M1229	Air Compressor - 7.5 HP gas powered, 125 PSIG, 20 CFM	Day	\$ 50.00
M1230	Air Compressor - 7.5 HP gas powered, 125 PSIG, 20 CFM	Week	\$ 175.00
M1231	Air Compressor - 7.5 HP gas powered, 125 PSIG, 20 CFM	Month	\$ 500.00
M0192	Air Hose - 2" x 50' with coupling	Day	\$ 14.00
M1232	Air Hose - 2" x 50' with coupling	Week	\$ 52.00
M1233	Air Hose - 2" x 50' with coupling	Month	\$ 120.00
M1234	Air Hose - 3/4" x 50' with coupling	Day	\$ 5.00
M0190	Air Hose - 3/4" x 50' with coupling	Week	\$ 13.00
M0191	Air Hose - 3/4" x 50' with coupling	Month	\$ 32.00
M1235	Air Hose - 3/8" x 25' with coupling	Day	\$ 2.50
M1236	Air Hose - 3/8" x 25' with coupling	Week	\$ 10.00
M1237	Air Hose - 3/8" x 25' with coupling	Month	\$ 35.00
M1238	Blower - Vapor Extraction - 10 hp, 190 SCFM	Day	\$ 51.00
M1239	Blower - Vapor Extraction - 10 hp, 190 SCFM	Week	\$ 204.00
M1240	Blower - Vapor Extraction - 10 hp, 190 SCFM	Month	\$ 715.00
M1241	Blower - Vapor Extraction - Positive Displacement, 500 Max. SCFM	Week	\$ 170.00
M1242	Blower - Vapor Extraction - Positive Displacement, 500 Max. SCFM	Month	\$ 500.00
M1243	Blower - Vapor Extraction - Positive Displacement, 500 Max. SCFM	Purchase/Each	\$ 1,600.00
M1244	Blower - Vapor Extraction - Regenerative XP, 127 Max. SCFM	Day	\$ 120.00
M1245	Blower - Vapor Extraction - Regenerative XP, 127 Max. SCFM	Week	\$ 350.00
M1246	Blower - Vapor Extraction - Regenerative XP, 127 Max. SCFM	Month	\$ 1,120.00
M1247	Blower - Vapor Extraction - Regenerative XP, 160 Max. SCFM	Day	\$ 135.00
M1248	Blower - Vapor Extraction - Regenerative XP, 160 Max. SCFM	Week	\$ 400.00

## 198 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M1249	Blower - Vapor Extraction - Regenerative XP, 160 Max. SCFM	Month	\$ 1,280.00
M1250	Blower - Vapor Extraction - Regenerative XP, 280 Max. SCFM	Day	\$ 150.00
M1251	Blower - Vapor Extraction - Regenerative XP, 280 Max. SCFM	Week	\$ 450.00
M1252	Blower - Vapor Extraction - Regenerative XP, 280 Max. SCFM	Month	\$ 1,440.00
M1253	Blower - Vapor Extraction - Regenerative XP, 345 Max. SCFM	Day	\$ 160.00
M1254	Blower - Vapor Extraction - Regenerative XP, 345 Max. SCFM	Week	\$ 475.00
M1255	Blower - Vapor Extraction - Regenerative XP, 345 Max. SCFM	Month	\$ 1,500.00
M0310	Blower - Ventilation/Exhaust - 5,000 CFM, 1/2 hp	Day	\$ 30.00
M0311	Blower - Ventilation/Exhaust - 5,000 CFM, 1/2 hp	Week	\$ 105.00
M0312	Blower - Ventilation/Exhaust - 5,000 CFM, 1/2 hp	Month	\$ 300.00
M1256	Blower Ventilation/Exhaust - Explosion Proof 1,570 CFM, 3/4 hp	Day	\$ 75.00
M1257	Blower Ventilation/Exhaust - Explosion Proof 1,570 CFM, 3/4 hp	Week	\$ 145.00
M1258	Blower Ventilation/Exhaust - Explosion Proof 1,570 CFM, 3/4 hp	Month	\$ 510.00
<b>GENERATORS</b>			
M1259	Generator 4 kW, 120/240, gas powered	Day	\$ 34.50
M1260	Generator 4 kW, 120/240, gas powered	Week	\$ 138.00
M1261	Generator 4 kW, 120/240, gas powered	Month	\$ 483.00
M1262	Generator 7.5 kW, 120/240, gas powered	Day	\$ 68.00
M1263	Generator 7.5 kW, 120/240, gas powered	Week	\$ 271.00
M1264	Generator 7.5 kW, 120/240, gas powered	Month	\$ 950.00
M1265	Generator 10 kW, 120/240, gas powered	Day	\$ 86.00
M1266	Generator 10 kW, 120/240, gas powered	Week	\$ 286.00
M1267	Generator 10 kW, 120/240, gas powered	Month	\$ 665.00
M1268	Generator 20 kW, 240/480, diesel powered	Day	\$ 175.00
M1269	Generator 20 kW, 240/480, diesel powered	Week	\$ 375.00
M1270	Generator 20 kW, 240/480, diesel powered	Month	\$ 900.00
M1271	Generator 35 kW, 240/480, diesel powered	Day	\$ 195.00
M1272	Generator 35 kW, 240/480, diesel powered	Week	\$ 425.00
M1273	Generator 35 kW, 240/480, diesel powered	Month	\$ 1,100.00
M1274	Generator 50 kW, 240/480, diesel powered	Day	\$ 225.00
M1275	Generator 50 kW, 240/480, diesel powered	Week	\$ 550.00
M1276	Generator 50 kW, 240/480, diesel powered	Month	\$ 1,200.00

## 198 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
<b>WELL INSTALLATION</b>			
<b>[1] Charge to include labor, disposal, and site restoration charges. Does not include well construction materials or decontamination charges.</b>			
M0508	Bentonite Chips - Medium	50 Pound	\$ 7.00
M0504	Bentonite Pellets - 1/4"	50 Pound	\$ 38.00
M0505	Bentonite Pellets - 3/8"	50 Pound	\$ 31.50
M0506	Bentonite Pellets - 1/2"	50 Pound	\$ 30.50
M0511	Graded Sand	100 Pound	\$ 14.50
M1277	Neat Cement Grout	90 Pound	\$ 10.00
M0053	Pad Locks	Each	\$ 7.00
M0514	Manhole 8" x 7" Non-watertight	Each	\$ 32.50
M0515	Manhole 8" x 12" Non-watertight	Each	\$ 40.00
M0516	Manhole 8" x 8" Watertight	Each	\$ 45.00
M0517	Manhole 8" x 12" Watertight	Each	\$ 42.00
M1278	Surge Block 2" Well	Each	\$ 71.00
M1279	Surge Block 4" Well	Each	\$ 111.00
M1280	Surge Block 6" Well	Each	\$ 176.00
M0518	Well Cap - Locking 2"	Each	\$ 15.00
M0519	Well Cap - Locking 4"	Each	\$ 18.00
M0520	Well Cap - Locking 6"	Each	\$ 27.00
M0522	Well Plug - Locking 2"	Each	\$ 12.50
M0523	Well Plug - Locking 4"	Each	\$ 15.00
M0524	Well Plug - Locking 6"	Each	\$ 29.00
M0526	Centralizer 2" PVC	Each	\$ 20.50
M0527	Centralizer 4" PVC	Each	\$ 24.50
M0528	Centralizer 6" PVC	Each	\$ 29.00
M1281	Casing - Schedule 40 PVC, flush threaded 2", 10 ft. length	10 Foot Length	\$ 19.50
M1282	Casing - Schedule 40 PVC, flush threaded 4", 10 ft. length	10 Foot Length	\$ 42.00
M1283	Casing - Schedule 40 PVC, flush threaded 6", 10 ft. length	10 Foot Length	\$ 100.00
M1284	Casing - Schedule 40 PVC, flush threaded 8", 10 ft. length	10 Foot Length	\$ 146.00
M0538	4" Casing - Black Steel, ASTM 120, .237 wall, T&C	Foot	\$ 3.47
M0539	6" Casing - Black Steel, ASTM 120, .237 wall, T&C	Foot	\$ 7.00
M0540	8" Casing - Black Steel, ASTM 120, .237 wall, T&C	Foot	\$ 11.50
M1285	2" Well Screens - Schedule 40 PVC, flush threaded	10 Foot Length	\$ 37.50
M1286	4" Well Screens - Schedule 40 PVC, flush threaded	10 Foot Length	\$ 89.00

## 198 PROGRAM MATERIAL UCRS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M1287	6" Well Screens - Schedule 40 PVC, flush threaded	10 Foot Length	\$ 154.00
M1288	8" Well Screens - Schedule 40 PVC, flush threaded	10 Foot Length	\$ 245.00
M0563	2" Plugs, Bottom, s/40 PVC, flush threaded	Each	\$ 5.15
M0564	4" Plugs, Bottom, s/40 PVC, flush threaded	Each	\$ 13.00
M0565	6" Plugs, Bottom, s/40 PVC, flush threaded	Each	\$ 38.50
M0566	8" Plugs, Bottom, s/40 PVC, flush threaded	Each	\$ 53.00
M0583	Well Vaults, 12" x 12" locking	Each	\$ 96.00
M0584	Well Vaults, 24" x 24" locking	Each	\$ 199.00
M0585	Well Covers, locking 4" x 4" x 5', steel	Each	\$ 96.00
M0587	Well Covers, locking 6" x 6" x 5', steel	Each	\$ 145.00
M0589	Well Covers, locking 8" x 8" x 5', steel	Each	\$ 219.00
M0590	Air Rotary Drilling - 6" Borehole for 2" well [1]	Linear Foot	\$ 14.00
M0591	Air Rotary Drilling - 8" Borehole for 4" well [1]	Linear Foot	\$ 23.50
M0592	Air Rotary Drilling - 10" Borehole for 6" well [1]	Linear Foot	\$ 42.50
M0593	Mud Rotary Drilling - 8" Borehole for 4" well [1]	Linear Foot	\$ 17.00
M0594	Mud Rotary Drilling - 10" Borehole for 6" well [1]	Linear Foot	\$ 19.50
M0595	Hollow Stem Auger - 8" Borehole for 2" well	Linear Foot	\$ 17.00
M0596	Hollow Stem Auger - 11" Borehole for 4" well	Linear Foot	\$ 21.00
M0597	Hollow Stem Auger - 14" Borehole for 6" well	Linear Foot	\$ 27.00
M0598	Hollow Stem Auger with split spoon sampling @ 5 ft intervals - 8" Borehole for 2" well [1]	Linear Foot	\$ 21.50
M0599	Hollow Stem Auger with split spoon sampling @ 5 ft intervals - 11" Borehole for 4" well [1]	Linear Foot	\$ 25.50
M0600	Hollow Stem Auger with split spoon sampling @ 5 ft intervals - 14" Borehole for 6" well [1]	Linear Foot	\$ 31.50
M0601	Soil Borings-Hollow Stem Auger with split spoon sampling @ 5 ft intervals w/4" auger [1]	Linear Foot	\$ 10.00
M0608	Drill Rig Stand-by Charge	Hour	\$ 141.00
M1289	Drill Rig Decontamination	Day	\$ 118.00
<b>DISPOSAL</b>			
M1290	Disposal of Petroleum Contaminated Water	Gallon	\$ 0.62
M0612	Disposal of Tank Waste/Sludges - Non-hazardous: does not include cost of container or analytical fees	55 Gallon Drum	\$ 175.00
M1291	Drum, 30 gal. Fiber DOT	Each	\$ 22.50
M1292	Drum, 55 gal. 17H close head steel	Each	\$ 31.00
M0029	Drum, 55 gal. 17H open head steel	Each	\$ 39.00
M1293	Drum, 55 gal. DOT steel	Each	\$ 51.00

## 198 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0030	Drum, 55 gal. Fiberboard	Each	\$ 29.00
M0028	Drum, 55 gal. Polyethylene open head	Each	\$ 40.50
M0610	Drum, 55 gal. reconditioned 17H steel	Each	\$ 39.00
M0052	Drum, 85 gal. DOT 16 gauge steel overpack	Each	\$ 98.00
M0051	Drum, 85 gal. polyethylene overpack	Each	\$ 166.00
M1294	Drum, 85 gal. polyethylene overpack DOT E9775	Each	\$ 150.00
M0036	Garbage bags, polyethylene 30 gal.	100 bags	\$ 21.00
M1295	Poly Film (100' x 20') - 4 mil	Each	\$ 41.50
M0058	Poly Film (100' x 20') - 6 mil	Each	\$ 62.00
M1296	Roll-Off Container	Month	\$ 90.00
M1297	Roll-Off Container Delivery / Pick-up	Trip	\$ 114.00
M1298	Roll-Off Container Transport for Disposal or Return	Trip	\$ 164.00
<b>TOOLS - POWER EQUIPMENT</b>			
M0214	Broadcast Spreader	Day	\$ 5.00
M0215	Broadcast Spreader	Week	\$ 16.00
M0216	Broadcast Spreader	Month	\$ 30.00
M0223	Chain Saw, 3.42 ci. Engine with 20' bar	Day	\$ 50.00
M0224	Chain Saw, 3.42 ci. Engine with 20' bar	Week	\$ 205.00
M0225	Chain Saw, 3.42 ci. Engine with 20' bar	Month	\$ 425.00
M0226	Concrete Saw with 14" Blade	Day	\$ 107.00
M0227	Concrete Saw with 14" Blade	Week	\$ 428.00
M0228	Concrete Saw with 14" Blade	Month	\$ 1,500.00
M0283	Jackhammer - 90# with Compressor, Bits, Hose	Day	\$ 155.00
M0284	Jackhammer - 90# with Compressor, Bits, Hose	Week	\$ 620.00
M0285	Jackhammer - 90# with Compressor, Bits, Hose	Month	\$ 2,160.00
M0319	Power Auger	Day	\$ 44.00
M0320	Power Auger	Week	\$ 174.00
M0321	Power Auger	Month	\$ 479.00
M0463	Slide Hammer	Day	\$ 7.00
M0464	Slide Hammer	Week	\$ 21.00
M0465	Slide Hammer	Month	\$ 70.00
M0472	Steam Cleaner - 1,800 psi, 5 hp, 5 gpm	Day	\$ 83.00
M0473	Steam Cleaner - 1,800 psi, 5 hp, 5 gpm	Week	\$ 334.00
M0474	Steam Cleaner - 1,800 psi, 5 hp, 5 gpm	Month	\$ 1,170.00

## 198 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0489	Welder - Plasma	Day	\$ 50.00
M0490	Welder - Plasma	Week	\$ 175.00
M0491	Welder - Plasma	Month	\$ 450.00
<b>ROLLING STOCK &amp; TRAILERS</b>			
M0617	Auto	Mile	\$ 0.35
M0618	Pickup Truck	Mile	\$ 0.47
M0619	Van	Mile	\$ 0.47
M0620	Medium Truck	Mile	\$ 0.89
M0623	Dump Truck - 5 CY capacity, includes Operator & operating costs	Day	\$ 297.00
M1299	Dump Truck - 8 CY capacity, includes Operator & operating costs	Day	\$ 466.00
M1300	Dump Truck - 12 CY capacity, includes Operator & operating costs	Day	\$ 580.00
M1301	Dump Truck - 16 CY capacity, includes Operator & operating costs	Day	\$ 690.00
M0629	Tanker Trailer - 5000 gallons	Day	\$ 237.00
M1446	Fork Lift - 4,000 lb., Outdoor/Rough Terrain, includes Operator & operating costs	Day	\$ 350.00
M1447	Fork Lift - 4,000 lb., Outdoor/Rough Terrain, includes Operator & operating costs	Week	\$ 1,335.00
M1448	Fork Lift - 8,000 lb., Outdoor/Rough Terrain, includes Operator & operating costs	Day	\$ 400.00
M1449	Fork Lift - 8,000 lb., Outdoor/Rough Terrain, includes Operator & operating costs	Week	\$ 1,500.00
M1302	Tanker Trailer - 5000 gallons	Week	\$ 710.00
M1303	Tanker Trailer - 5000 gallons	Month	\$ 2,130.00
M1304	Tanker Trailer - 10,000 gallons	Day	\$ 360.00
M1305	Tanker Trailer - 10,000 gallons	Week	\$ 1,080.00
M1306	Tanker Trailer - 10,000 gallons	Month	\$ 3,230.00
M0633	Tractor - 4 x 2, 30 ton, includes Operator & operating costs	Day	\$ 452.00
M0635	Tractor 6 x 2, 40 ton, includes Operator & operating costs	Day	\$ 560.00
M0637	Tractor 6 x 4, 45 ton, includes Operator & operating costs	Day	\$ 705.00
M1307	Trailer - 25 ton flatbed	Day	\$ 147.00
M1308	Trailer - 40 ton flatbed	Day	\$ 233.00
M1309	Trailer - 50 ton flatbed	Day	\$ 255.00
M1310	Trailer - 20 cubic yard dump	Day	\$ 186.00
M1311	Trailer - 20 cubic yard dump	Week	\$ 745.00
M1312	Lowboy Trailer with Tractor - up to 30 tons	Hour	\$ 60.00
M1313	Lowboy Trailer with Tractor - up to 30 tons	Day	\$ 200.00

## 198 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0655	Vacuum Truck, includes Operator & operating costs	Day	\$ 825.00
<b>EXCAVATION - BACKFILL</b>			
M0492	Gravel	Cubic Yard	\$ 16.00
M1314	Rip Rap	Ton	\$ 10.00
M1315	Sand - bulk	Ton	\$ 8.15
M1316	Topsoil	Cubic Yard	\$ 18.00
M0657	Backhoe Loader - Cat 416 Type, includes Operator & operating costs	Day	\$ 385.00
M0658	Backhoe Loader - Cat 416 Type, includes Operator & operating costs	Week	\$ 1,680.00
M0659	Backhoe Loader - Cat 416 Type, includes Operator & operating costs	Month	\$ 3,900.00
M0660	Backhoe Loader - Cat 426 Type, includes Operator & operating costs	Day	\$ 485.00
M0661	Backhoe Loader - Cat 426 Type, includes Operator & operating costs	Week	\$ 2,100.00
M0662	Backhoe Loader - Cat 426 Type, includes Operator & operating costs	Month	\$ 5,600.00
M0678	Tracked Bulldozer Cat D3 Type with A-Blade, includes Operator & operating costs	Day	\$ 253.00
M0679	Tracked Bulldozer Cat D3 Type with A-Blade, includes Operator & operating costs	Week	\$ 1,010.00
M0680	Tracked Bulldozer Cat D3 Type with A-Blade, includes Operator & operating costs	Month	\$ 3,550.00
M0681	Tracked Bulldozer Cat D4 Type with A-Blade, includes Operator & operating costs	Day	\$ 301.00
M0682	Tracked Bulldozer Cat D4 Type with A-Blade, includes Operator & operating costs	Week	\$ 1,200.00
M0683	Tracked Bulldozer Cat D4 Type with A-Blade, includes Operator & operating costs	Month	\$ 4,210.00
M0684	Tracked Bulldozer Cat D5 Type with A-Blade, includes Operator & operating costs	Day	\$ 386.00
M0685	Tracked Bulldozer Cat D5 Type with A-Blade, includes Operator & operating costs	Week	\$ 1,540.00
M0686	Tracked Bulldozer Cat D5 Type with A-Blade, includes Operator & operating costs	Month	\$ 5,400.00
M0693	Crawler Mounted Excavator Cat 215 Type; 1 CY, includes Operator & operating costs	Day	\$ 453.00
M0694	Crawler Mounted Excavator Cat 215 Type; 1 CY, includes Operator & operating costs	Week	\$ 1,810.00
M0695	Crawler Mounted Excavator Cat 215 Type; 1 CY, includes Operator & operating costs	Month	\$ 6,340.00
M1317	Crawler Mounted Excavator Cat 235 Type; 2 CY, includes Operator & operating costs	Day	\$ 795.00
M1318	Crawler Mounted Excavator Cat 235 Type; 2 CY, includes Operator & operating costs	Week	\$ 3,180.00
M1319	Crawler Mounted Excavator Cat 235 Type; 2 CY, includes Operator & operating costs	Month	\$ 11,125.00

## 198 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M1320	Crawler Mounted Excavator Cat 245 Type; 3.125 CY, includes Operator & operating costs	Day	\$ 1,100.00
M1321	Crawler Mounted Excavator Cat 245 Type; 3.125 CY, includes Operator & operating costs	Week	\$ 4,410.00
M1322	Crawler Mounted Excavator Cat 245 Type; 3.125 CY, includes Operator & operating costs	Month	\$ 15,425.00
M0699	Tracked Loader Cat 931 Type, 1 CY, includes Operator & operating costs	Day	\$ 270.00
M0700	Tracked Loader Cat 931 Type, 1 CY, includes Operator & operating costs	Week	\$ 1,080.00
M0701	Tracked Loader Cat 931 Type, 1 CY, includes Operator & operating costs	Month	\$ 3,770.00
M0702	Tracked Loader Cat 943 Type, 1.5 CY, includes Operator & operating costs	Day	\$ 370.00
M0703	Tracked Loader Cat 943 Type, 1.5 CY, includes Operator & operating costs	Week	\$ 1,480.00
M0704	Tracked Loader Cat 943 Type, 1.5 CY, includes Operator & operating costs	Month	\$ 5,180.00
M0705	Tracked Loader Cat 953 Type, 2 CY, includes Operator & operating costs	Day	\$ 427.00
M0706	Tracked Loader Cat 953 Type, 2 CY, includes Operator & operating costs	Week	\$ 1,710.00
M0707	Tracked Loader Cat 953 Type, 2 CY, includes Operator & operating costs	Month	\$ 5,980.00
M0708	Tracked Loader Cat 963 Type, 2.5 CY, includes Operator & operating costs	Day	\$ 520.00
M0709	Tracked Loader Cat 963 Type, 2.5 CY, includes Operator & operating costs	Week	\$ 2,080.00
M0710	Tracked Loader Cat 963 Type, 2.5 CY, includes Operator & operating costs	Month	\$ 7,280.00
M0711	Trencher - Chain Boom Type, Walk-behind, includes Operator & operating costs	Day	\$ 142.00
M0712	Trencher - Chain Boom Type, Walk-behind, includes Operator & operating costs	Week	\$ 605.00
M0713	Trencher - Chain Boom Type, Walk-behind, includes Operator & operating costs	Month	\$ 1,810.00
M1323	Skid Steer Loader Bobcat 753 with bucket, includes Operator & operating costs	Day	\$ 335.00
M1324	Skid Steer Loader Bobcat 753 with bucket, includes Operator & operating costs	Week	\$ 1,560.00
M1325	Skid Steer Loader Bobcat 753 with bucket, includes Operator & operating costs	Month	\$ 4,800.00
M1326	Skid Steer Loader Bobcat 853H with bucket, includes Operator & operating costs	Day	\$ 355.00
M1327	Skid Steer Loader Bobcat 853H with bucket, includes Operator & operating costs	Week	\$ 1,550.00
M1328	Skid Steer Loader Bobcat 853H with bucket, includes Operator & operating costs	Month	\$ 5,150.00
M1329	Skid Steer Loader Bobcat 753 with hydraulic breaker, includes Operator & operating costs	Day	\$ 453.00
M1330	Skid Steer Loader Bobcat 753 with hydraulic breaker, includes Operator & operating costs	Week	\$ 2,010.00
M1331	Skid Steer Loader Bobcat 753 with hydraulic breaker, includes Operator & operating costs	Month	\$ 6,900.00

## 198 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0717	Wheeled Loader Cat 910 Type, 1.25 CY, includes Operator & operating costs	Day	\$ 243.00
M0718	Wheeled Loader Cat 910 Type, 1.25 CY, includes Operator & operating costs	Week	\$ 975.00
M0719	Wheeled Loader Cat 910 Type, 1.25 CY, includes Operator & operating costs	Month	\$ 3,410.00
M0720	Wheeled Loader Cat 916 Type, 1.5 CY, includes Operator & operating costs	Day	\$ 277.00
M0721	Wheeled Loader Cat 916 Type, 1.5 CY, includes Operator & operating costs	Week	\$ 1,110.00
M0722	Wheeled Loader Cat 916 Type, 1.5 CY, includes Operator & operating costs	Month	\$ 3,880.00
M1332	Wheeled Loader Cat 926 Type, 2.5 CY, includes Operator & operating costs	Day	\$ 355.00
M1333	Wheeled Loader Cat 926 Type, 2.5 CY, includes Operator & operating costs	Week	\$ 1,420.00
M1334	Wheeled Loader Cat 926 Type, 2.5 CY, includes Operator & operating costs	Month	\$ 4,970.00
M0726	Wheeled Loader Cat 950 Type, 3 CY, includes Operator & operating costs	Day	\$ 410.00
M0727	Wheeled Loader Cat 950 Type, 3 CY, includes Operator & operating costs	Week	\$ 1,640.00
M0728	Wheeled Loader Cat 950 Type, 3 CY, includes Operator & operating costs	Month	\$ 5,740.00
M1335	Trench Box - 7' deep, 16' x 6'	Day	\$ 153.00
M1336	Trench Box - 7' deep, 16' x 6'	Week	\$ 460.00
M1337	Trench Box - 7' deep, 16' x 6'	Month	\$ 1,380.00
<b>UTILITY EXPENSES, PERMIT FEES, &amp; FUELS</b>			
<b>The following C Codes will be reimbursed at cost only if documented by the bill or invoice from the vendor, supplier, or permit issuer.</b>			
C1001	Electrical Service -- to power remediation systems; must be independently metered	Utility	Reimbursed at Cost
C1002	Municipal Water Service	Utility	Reimbursed at Cost
C1003	Municipal Sewer Service/Pre-treatment Fees	Utility	Reimbursed at Cost
C1004	Propane/Bottled Gas - used for remediation system power supply; not for vehicle use	Gallon	Reimbursed at Cost
C1005	Natural Gas Service - used for remediation system power supply; not for vehicle use	Utility	Reimbursed at Cost
C1006	Gasoline -- used for remediation system power supply; not for vehicle use	Gallon	Reimbursed at Cost
C1007	Diesel Fuel - used for remediation system power supply; not for vehicle use	Gallon	Reimbursed at Cost
C1008	Federal/State/Local Permit -- required to implement and complete approved remediation activities	Permit	Reimbursed at Cost

## **SECTION 2**

### **395 UCR Schedule**

### 395 PROGRAM TASK UCRs

Code	Description	Unit Type	Unit Rate
T001	Remove Product from Tank for Release Abatement	Hour	\$ 95.00
T002	Monitor for Vapor Hazards	Hour	\$ 65.00
T003	Emergency Mitigation of Vapor Hazards - Set-Up	Blower	\$ 200.00
T004	Emergency Mitigation of Vapor Hazards - Operation and Maintenance	Day per Blower	\$ 125.00
T005	Free Product (Liquid Phase) Recovery from a Pit	Hour	\$ 95.00
T006	Free Product (Liquid Phase) Recovery from a Monitoring Well - Manual	Hour	\$ 55.00
T007	Install Boom in Surface Waters	Foot of Boom	\$ 26.00
T008	Bottled Water with Bottled Water Dispenser	Month	\$ 95.00
T009	Soil Loading	Ton	\$ 1.04
T010	Soil Hauling > or = 50 miles	Ton/Mile	\$ 0.10
T011	Soil Hauling <50 miles	Ton/Mile	\$ 0.13
T012	Soil Treatment at an Incineration or Bioremediation Facility	Ton	\$ 47.00
T013	Soil Disposal at a Landfill	Ton	\$ 36.00
T014	Site Reconnaissance/Initial Site Map	Site	\$ 455.00
T015	Underground Storage Tank (UST) Tightness Testing for Leak Confirmation	Tank	\$ 500.00
T016	UST Line Tightness Testing for Leak Confirmation	Line	\$ 350.00
T017	Free Product/Contaminated Water Disposal	Gallon	\$ 0.45
T018	Boom Inspection	Hour	\$ 90.00
T019	Boom Replacement	Foot of New Boom	\$ 13.00
T020	Health & Safety Plan	Plan	\$ 450.00
T021	Site History Research	Site	\$ 1,075.00
T022	Subsurface Line Location Prior to Drilling and Excavation	Survey	\$ 540.00
T023	Drill Rig Mob/Demob	Mob/Demob (Round Trip)	\$ 450.00
T024	Soil Boring with Drill Rig - 5-foot Sampling Interval	Linear Foot	\$ 11.00
T025	Monitoring Well Installation - Two-Inch Diameter	Linear Foot	\$ 40.00
T026	Monitoring Well Installation - Four-Inch Diameter	Linear Foot	\$ 55.00
T027	Recovery Well Installation - Six-Inch Diameter	Linear Foot	\$ 70.00
T028	Log Soil Borings	Hour	\$ 65.00
T029	Disposal of Well Cuttings/Soil Borings	Drummed Ton	\$ 170.00
T030	Soil Sampling	Sample	\$ 49.00
T031	Monitoring Well Sampling - Two-Inch Diameter	Well	\$ 120.00
T032	Monitoring Well Sampling - Four-Inch Diameter	Well	\$ 135.00
T033	Survey - Monitoring/Recovery Wells	Hour	\$ 70.00
T034	Survey - Property	Hour	\$ 120.00
T035	Site Access Agreement	Agreement	\$ 345.00

### 395 PROGRAM TASK UCRS

Code	Description	Unit Type	Unit Rate
T036	Heavy Equipment Mob/Demob	Round Trip per Piece of Equipment	\$ 350.00
T037	Soil Excavation for Interceptor Trench	Cubic Yard	\$ 2.30
T038	Debris Disposal	Ton	\$ 38.00
T039	Alternate Water Supply (AWS) Work Plan	Plan	\$ 2,275.00
T040	General Site Management	Reimbursed Amount per Claim	5%
T041	Well Rehabilitation	Hour	\$ 60.00
T042	Backfilling	Cubic Yard	\$ 23.00
T043	Initial Abatement Report Preparation	Report	\$ 630.00
T044	Periodic Reporting as Required by the DEQ Regional Office	Report	\$ 315.00
T045	Free Product (Liquid Phase) Recovery Report	Report	\$ 315.00
T046	Soil Excavation for Test Pit	Cubic Yard	\$ 6.33
T047	Reseeding < 1 Acre	Square Foot	\$ 0.11
T048	Reseeding > or = 1 Acre	Square Foot	\$ 0.04
T049	Receptor Survey	Survey	\$ 560.00
T050	Soil Gas Survey	Sample Point	\$ 135.00
T051	Soil Probe Survey	Day	\$ 3,825.00
T052	Ground Penetrating Radar (GPR)	Hour	\$ 235.00
T053	Slug Test	Hour	\$ 105.00
T054	12-Hour Pump Test	Test	\$ 1,850.00
T055	24-Hour Pump Test	Test	\$ 3,575.00
T056	48-Hour Pump Test	Test	\$ 6,450.00
T057	72-Hour Pump Test	Test	\$ 9,350.00
T058	Terrain Conductivity	Linear Foot	\$ 1.85
T059	Site Characterization Report	Report	\$ 5,875.00
T059A	Alternate Water Supply Add-On	Site	\$ 780.00
T059B	Impacted Surface Water Add-On	Site	\$ 780.00
T059C	Additional Data Point Add-On	Point	\$ 105.00
T059D	Free Product (Liquid Phase) Add-On	Site	\$ 560.00
T060	Site Characterization Report Addendum	Report	\$ 3,050.00
T061	Soil Excavation	Cubic Yard	\$ 2.30
T062	Corrective Action Plan Preparation	Report	\$ 7,875.00
T063	Corrective Action Plan Addendum Preparation	Report	\$ 4,325.00
T064	Reimbursement Claim Preparation	Phase or Reimbursement Period	\$ 500.00

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**395 PROGRAM TASK UCRs**

<b>Code</b>	<b>Description</b>	<b>Unit Type</b>	<b>Unit Rate</b>
T065	50-250 CFM Dual Phase Extraction Pump and Power Supply System	Day	\$ 430.00
T066	250-500 CFM Dual Phase Extraction Pump and Power Supply System	Day	\$ 520.00
T067	500-850 CFM Dual Phase Extraction Pump and Power Supply System	Day	\$ 680.00
T068	Dual Phase Extraction Treatment Assembly	Day	\$ 295.00
T069	Dual Phase Extraction and Treatment System Mob/Demob	Mob/Demob (Round Trip)	\$ 250.00

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## 395 PROGRAM TASK DESCRIPTIONS

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<u>Code</u>	<u>Task</u>
T001	<b>Remove Product from Tank for Release Abatement:</b> This SOW (Scope of Work) consists of removing the petroleum product from a Storage Tank via equipment such as a Vacuum Truck or a Pump Truck. All labor and expenses for operating the Vacuum Truck are included. This activity may be performed for a maximum duration of 16 hours without Regional Office authorization. <b>Cost is \$95.00 per Hour.</b>
T002	<b>Monitor for Vapor Hazards:</b> This SOW consists of personnel time and equipment to monitor with appropriate field measuring devices (explosimeter, PID/HNu, FID/OVA,) for vapors or free product (liquid phase) that has migrated from the point of release and entered into subsurface structures such as sewers, basements, above-ground enclosed structures, etc. This activity may be performed for a maximum of 96 hours without Regional Office authorization. <b>Cost is \$65.00 per Hour.</b>
T003	<b>Emergency Mitigation of Vapor Hazards - Set-Up:</b> This SOW consists of personnel time to set up blower(s) for the emergency mitigation of vapor hazards. This activity may be performed for a maximum of 4 blowers without Regional Office authorization. <b>Cost is \$200.00 per Blower.</b>
T004	<b>Emergency Mitigation of Vapor Hazards - Operation and Maintenance:</b> This SOW consists of personnel time and equipment for venting vapor hazards to reduce the immediate danger without creating a new or different hazard. This may be accomplished through the use of blowers or fans. This activity may be performed for a maximum of 5 days with a maximum of 4 blowers without Regional Office authorization. <b>Cost is \$125.00 per Day per Blower.</b>
T005	<b>Free Product (Liquid Phase) Recovery from a Pit:</b> This SOW consists of pumping free product from a pit with a Vacuum Truck. All expenses for operating the Vac Truck are included. This SOW also includes recording and tabulating the total amount of free product removed. This activity may be performed for a maximum of 10 hours without Regional Office authorization. <b>Cost is \$95.00 per Hour.</b>
T006	<b>Free Product (Liquid Phase) Recovery from a Monitoring Well - Manual:</b> This SOW consists of hand-bailing free product from a monitoring well. This SOW includes personnel, bailer, sampling gloves, oil-water interface probe, and a 55-gallon steel drum. This also includes recording and tabulating the total amount of free product removed. This activity may be performed for a maximum of 40 hours without Regional Office authorization. <b>Cost is \$55.00 per Hour.</b>
T007	<b>Install Boom in Surface Waters:</b> This SOW consists of all personnel time and equipment to install sorbent materials across portions of a stream or other waterbody impacted by a petroleum product. Included as part of this SOW are sorbent booms and pads, nylon rope, waders, Tyvek suits, gloves, and a 55 gallon drum. This SOW also includes downstream inspection of possible health risks or environmental impacts from the petroleum release. This activity may be performed using a maximum of 500 feet of boom without Regional Office authorization. <b>Cost is \$26.00 per Foot of Boom.</b>
T008	<b>Bottled Water with Bottled Water Dispenser:</b> This SOW consists of the costs associated with the utilization of bottled water and a hot/cold bottled water dispenser when used as an alternate water supply. This SOW includes delivery, pickup and any other costs incurred with the water bottles and dispenser unit. <b>Cost is \$95.00 per Month.</b>

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## 395 PROGRAM TASK DESCRIPTIONS

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<u>Code</u>	<u>Task</u>
T009	<b>Soil Loading:</b> This SOW consists of Operator and equipment to load contaminated soil into a dump truck with a backhoe from a stock pile. The amount of loaded soil eligible for reimbursement without Regional Office authorization may not exceed 125 tons (see Appendix 5 in Vol. I of the Guidance Manual). <b>Cost is \$1.04 per Ton.</b>
T010	<b>Soil Hauling &gt; or = 50 miles:</b> This SOW consists of driver and truck time to haul debris or contaminated soil from the site to the place of disposal. The amount of hauled soil eligible for reimbursement without Regional Office authorization may not exceed 125 tons (see Appendix 5 in Vol. I of the Guidance Manual). The soil may be hauled up to 100 miles one way without Regional Office authorization. No round trips will be reimbursed. <b>Cost is \$0.10 per Ton/Mile.</b>
T011	<b>Soil Hauling &lt;50 miles:</b> This SOW consists of driver and truck time to haul debris or contaminated soil from the site to the place of disposal. The amount of hauled soil eligible for reimbursement without Regional Office authorization may not exceed 125 tons (see Appendix 5 in Vol. I of the Guidance Manual). This SOW is for a one-way haul. No round trips will be reimbursed. <b>Cost is \$0.13 per Ton/Mile.</b>
T012	<b>Soil Treatment at an Incineration or Bioremediation Facility:</b> This SOW consists of either thermal treatment or bioremediation of petroleum-contaminated soil not including pre-treatment laboratory analyses. The required pre-treatment analyses may be billed separately according to the 395 Material UCR Schedule. The amount of treated soil eligible for reimbursement without Regional Office authorization may not exceed 125 tons (see Appendix 5 in Vol. I of the Guidance Manual). <b>Cost is \$47.00 per Ton.</b>
T013	<b>Soil Disposal at a Landfill:</b> This SOW consists of landfilling petroleum-contaminated soil not including pre-disposal laboratory analyses. The required pre-disposal analyses may be billed separately according to the 395 Material UCR Schedule. The amount of disposed soil eligible for reimbursement without Regional Office authorization may not exceed 125 tons (see Appendix 5 in Vol. I of the Guidance Manual). <b>Cost is \$36.00 per Ton.</b>
T014	<b>Site Reconnaissance/Initial Site Map:</b> This SOW consists of personnel time to conduct a site inspection and generate an initial map with features of the immediate site, adjacent parcels and nearby properties. The site map must note the location of tanks, dispensers, monitoring wells, and other site features. Location of potential migration pathways such as utility lines, storm and sanitary sewers, catch basins and drainage ditches must also be noted. The map should suffice for the development of a Health and Safety Plan and for the location of assessment and remediation activities. Only one Site Reconnaissance/Initial Site map will be reimbursed per site. <b>Cost is \$455.00 per Site.</b>
T015	<b>Underground Storage Tank (UST) Tightness Testing for Leak Confirmation:</b> This SOW consists of testing UST tightness using a method meeting requirements outlined in the UST Technical Regulations and includes personnel and testing equipment. The number of USTs to be tested must be specified. The complete UST inventory and layout (i.e., USTs, product lines, pump islands, vent lines) must be provided. The purchase of product for testing is a non-reimbursable expense. This SOW also includes reporting any failed tightness tests to the appropriate DEQ Regional Office within 24 hours. <b>Cost is \$500.00 per Tank.</b>

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## 395 PROGRAM TASK DESCRIPTIONS

<u>Code</u>	<u>Task</u>
T016	<b>UST Line Tightness Testing for Leak Confirmation:</b> This SOW consists of testing an UST line for tightness using a method meeting requirements outlined in the UST technical regulations and includes personnel and testing equipment. This SOW must specify the number of UST product lines to be tested. The complete UST inventory and layout (i.e., USTs, product lines, pump islands, vent lines) must be provided. This SOW also includes reporting any failed tightness tests to the appropriate DEQ Regional Office within 24 hours. <b>Cost is \$350.00 per Line.</b>
T017	<b>Free Product/Contaminated Water Disposal:</b> This SOW consists of disposal of contaminated petroleum product removed from a monitoring well, pit, or leaking UST. Contaminated product contains water or other constituents that render it unusable. This cost is for disposal only. <b>Cost is \$0.45 per Gallon.</b>
T018	<b>Boom Inspection:</b> This SOW consists of personnel time and equipment (PPE) to inspect booms placed in surface waters for petroleum containment. This SOW also includes downstream inspection of potential health risks or environmental impacts from the petroleum release. <b>Cost is \$90.00 per Hour.</b>
T019	<b>Boom Replacement:</b> This SOW consists of personnel time and equipment (booms, pads, rope, PPE) to replace and/or repair booms placed in surface waters for petroleum containment. <b>Cost is \$13.00 per Foot of New Boom.</b>
T020	<b>Health &amp; Safety Plan:</b> This SOW consists of the personnel time for preparation of the Health & Safety Plan for all planned activities on site. This includes time for review, clerical support, and all other direct costs such as copying and binding. The plan is limited to petroleum hydrocarbon contamination. <b>Cost is \$450.00 per Plan.</b>
T021	<b>Site History Research:</b> This SOW consists of the personnel time required to research activities at or near the site, with the objective of identifying items such as historical land uses, tank locations, tank histories, and on-site and off-site petroleum releases. This SOW also includes photo re-prints, other materials, and search services. <b>Cost is \$1,075.00 per Site.</b>
T022	<b>Subsurface Line Location Prior to Drilling and Excavation:</b> This SOW consists of personnel time and equipment for two people to review plans and delineate all product and utility lines, including electric, gas, water, and sewer. Also included is personnel time to generate a final site map (building upon the initial site map) containing all pertinent information and notes to support subsequent investigative and remedial activities. <b>Cost is \$540.00 per Survey.</b>
T023	<b>Drill Rig Mob/Demob:</b> This SOW consists of transportation of a drill rig to and from the site by the drillers. <b>Cost is \$450.00 per Mob/Demob (Round Trip).</b>
T024	<b>Soil Boring with Drill Rig - 5 foot Sampling Interval:</b> This SOW includes one drill rig and a crew to advance soil borings using hollow-stem augers with sampling every five feet with a two-inch split spoon. Also included is all necessary field equipment to complete the borings (e.g., FID, decontamination fluids, expendables), and time to decontaminate equipment between borings. This SOW does not include analytical or travel costs. This task is only for dedicated soil borings and should not be used when a soil boring is converted to a monitoring well. Instead use the appropriate task T025 through T027. <b>Cost is \$11.00 per Linear Foot.</b>

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## 395 PROGRAM TASK DESCRIPTIONS

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<u>Code</u>	<u>Task</u>
T025	<b>Monitoring Well Installation - Two-Inch Diameter:</b> This SOW includes the installation of two-inch monitoring wells. This SOW includes drilling with a hollow stem auger and soil sampling using two-inch diameter split spoons every five feet, all well construction and completion materials, equipment decontamination, and personnel time and equipment to develop the well using a diaphragm pump, air compressor and hoses. <b>Cost is \$40.00 per Linear Foot.</b>
T026	<b>Monitoring Well Installation - Four-Inch Diameter:</b> This SOW includes the installation of four-inch monitoring wells. This SOW includes drilling with a hollow stem auger and soil sampling using two-inch diameter split spoons every five feet, all well construction and completion materials, equipment decontamination, and personnel time and equipment to develop the well using a diaphragm pump, air compressor and hoses. <b>Cost is \$55.00 per Linear Foot.</b>
T027	<b>Recovery Well Installation - Six-Inch Diameter:</b> This SOW includes the installation of six-inch recovery wells. This SOW includes drilling with a hollow stem auger and soil sampling using two-inch diameter split spoons every five feet, all well construction and completion materials, equipment decontamination, and personnel time and equipment to develop the well using a diaphragm pump, air compressor and hoses. <b>Cost is \$70.00 per Linear Foot.</b>
T028	<b>Log Soil Borings:</b> This SOW includes personnel time and a PID to screen samples and log borings. <b>Cost is \$65.00 per Hour.</b>
T029	<b>Disposal of Well Cuttings/Soil Borings:</b> This SOW includes the disposal of contaminated soil from well cuttings and soil borings which includes analyses for contaminated soil disposal, soil disposal containers, and transportation costs. If the soil is not contaminated, the soil should remain on site (this is not a reimbursable cost). <b>Cost is \$170.00 per Drummed Ton.</b>
T030	<b>Soil Sampling:</b> This SOW consists of all necessary soil sampling which may include composite sampling, required sampling for treatment/disposal certification, and hand augering. Also included are a PID, a hand auger, buckets, decontamination fluids, a brush, soap, gloves, and sample bags. This SOW does not include analytical costs. <b>Cost is \$49.00 per Sample.</b>
T031	<b>Monitoring Well Sampling - Two-Inch Diameter:</b> This SOW consists of all personnel time and equipment to sample a two-inch monitoring well. Personnel time includes preparation, well purging, sample packing, necessary decontamination, and travel time between wells on site. Equipment includes a bailer, nylon rope, an oil/water interface probe, a pH meter, a conductivity meter, a thermometer, a cooler, ice, a brush, soap, and decontamination fluids. <b>Cost is \$120.00 per Well.</b>
T032	<b>Monitoring Well Sampling - Four-Inch Diameter:</b> This SOW consists of all personnel time and equipment to sample a four-inch monitoring well. Personnel time includes preparation, well purging, sample packing, necessary decontamination, and travel time between wells on site. Equipment includes a bailer, nylon rope, an oil/water interface probe, a pH meter, a conductivity meter, a thermometer, a cooler, ice, a brush, soap, and decontamination fluids. <b>Cost is \$135.00 per Well.</b>
T033	<b>Survey - Monitoring/Recovery Wells:</b> This SOW consists of all personnel and equipment to survey monitoring and recovery wells for location and elevation. This includes set-up time, a two-person professional survey crew, and equipment rental. <b>Cost is \$70.00 per Hour.</b>

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## 395 PROGRAM TASK DESCRIPTIONS

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<u>Code</u>	<u>Task</u>
T034	<b>Survey - Property:</b> This SOW consists of all personnel and equipment to survey property. This includes set-up time, a licensed survey crew, and equipment. <b>Cost is \$120.00 per Hour.</b>
T035	<b>Site Access Agreement:</b> This SOW consists of the development and presentation of a Site Access Agreement to a property owner/lessor. Two attempts at this presentation must be made. The Regional Office must be notified immediately upon failure to obtain a signed Access Agreement. <b>Cost is \$345.00 per Agreement.</b>
T036	<b>Heavy Equipment Mob/Demob:</b> This SOW consists of transportation of heavy equipment, excluding drill rigs. <b>Cost is \$350.00 per Round Trip per Piece of Equipment.</b>
T037	<b>Soil Excavation for Interceptor Trench:</b> This SOW consists of soil excavation with a backhoe for construction of an interceptor trench. <b>Cost is \$2.30 per Cubic Yard.</b>
T038	<b>Debris Disposal:</b> This SOW consists of the disposal in a landfill of debris generated as a result of abating the petroleum release. Debris includes asphalt, concrete, and other non-soil materials. <b>Cost is \$38.00 per Ton.</b>
T039	<b>Alternate Water Supply (AWS) Work Plan:</b> This SOW consists of all activities associated with preparation of the Alternate Water Supply Work Plan which includes senior level review, CAD operation, clerical support, and all other direct costs, such as copying and binding. <b>Cost is \$2,275.00 per Plan.</b>
T040	<b>General Site Management:</b> This SOW consists of personnel time associated with the management of activities at the site. Site management includes planning, contractor coordination, scheduling, etc. <b>Cost is 5% of Reimbursed Amount per Claim.</b>
T041	<b>Well Rehabilitation:</b> This SOW consists of personnel time and equipment necessary to rehabilitate a monitoring well or recovery well (e.g., surge blocking). This activity should be performed only when flow between the formation and the monitoring well becomes inhibited. <b>Cost is \$60.00 per Hour.</b>
T042	<b>Backfilling:</b> This SOW consists of backfilling an excavation with appropriate material. The volume of backfill may not exceed the volume of excavated material eligible for reimbursement. This SOW includes material, compaction, labor, and hauling within 25 miles of the site. <b>Cost is \$23.00 per Cubic Yard.</b>
T043	<b>Initial Abatement Report Preparation:</b> This SOW consists of all personnel time for preparation of the Initial Abatement Report. This includes time for review, drafting figures, and clerical support. This SOW also includes all other direct costs, such as copying and binding. <b>Cost is \$630.00 per Report.</b>
T044	<b>Periodic Reporting as Required by the DEQ Regional Office:</b> This SOW consists of the preparation of a periodic report as requested by the DEQ Regional Office. This letter report will include recent activities at the site and will summarize past reports. <b>Cost is \$315.00 per Report.</b>

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## 395 PROGRAM TASK DESCRIPTIONS

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<u>Code</u>	<u>Task</u>
<b>T045</b>	<b>Free Product (Liquid Phase) Recovery Report:</b> This SOW consists of the preparation and submittal of a Free Product Recovery Report. This letter report will include recent activities at the site and will summarize past reports to illustrate increases, decreases, or static levels of the free product. <b>Cost is \$315.00 per Report.</b>
<b>T046</b>	<b>Soil Excavation for Test Pit:</b> This SOW consists of personnel time and equipment to excavate soils with a backhoe to investigate the extent of contamination. This includes an equipment operator, a geologist, field screening equipment, and the time to return excavated material to the pit. <b>Cost is \$6.33 per Cubic Yard.</b>
<b>T047</b>	<b>Reseeding &lt; 1 Acre:</b> This SOW consists of the personnel and materials needed to re-seed with grass any areas totaling less than one acre disturbed by equipment. This includes personnel time to seed with a push spreader and mulch with hay by hand. <b>Cost is \$0.11 per Square Foot.</b>
<b>T048</b>	<b>Reseeding &gt; or = 1 Acre:</b> This SOW consists of the personnel and materials needed to re-seed with grass any areas totaling greater than or equal to one acre disturbed by equipment. This includes personnel time to seed with a tractor spreader and mulch with hay with a small power mulcher. <b>Cost is \$0.04 per Square Foot.</b>
<b>T049</b>	<b>Receptor Survey:</b> This SOW consists of the identification of public and private water supply sources (i.e., wells and springs), and surface water within a 1/4 mile radius of the site. Information should be obtained using a local water resource agency and a door-to-door questionnaire. The information should include well ownership, well location, well completion data, well use, and depth to water. This task also includes follow-up phone calls to property owners who could not be reached during regular business hours. This includes time and equipment to sample water supplies and surface water within the survey area. It also includes personnel time, gloves, cooler, ice, and other direct costs, plus time to summarize the data. <b>Cost is \$560.00 per Survey.</b>
<b>T050</b>	<b>Soil Gas Survey:</b> This SOW consists of personnel time (two-person crew), equipment, materials and services necessary for conducting a soil gas survey. This survey will delineate concentrations of volatile organic compounds in soil gas throughout the site. This SOW includes on-site analysis of soil gas samples via a Laboratory-grade gas chromatograph, and equipment preparation and decontamination. Other equipment includes probe extensions, a probe tip, probe screens, a rotary hammer drill, a generator, buckets, vapor tubing, a hand pump, and tedlar sample collection bags. Only successful sample points (i.e., point at which a gas sample is collected and successfully analyzed) are eligible for reimbursement. <b>Cost is \$135.00 per Sample Point.</b>
<b>T051</b>	<b>Soil Probe Survey:</b> This SOW consists of personnel time (two-person crew), equipment, materials and services necessary for conducting a soil probe survey using direct-push technology such as Hydropunch or Geoprobe. This survey will entail the insertion of probes throughout the site, and the collection and analysis of soil, soil vapor, and/or groundwater samples. This SOW includes on-site soil gas sample analysis and screening of soil and groundwater samples via a Laboratory grade gas chromatograph. Equipment preparation and decontamination are included in this task. Other equipment includes a direct-push rig, probe extensions, a probe tip, probe screens, buckets, a hand pump, and tedlar sample collection bags. Off-site laboratory analysis is not included in this task; it may be billed as time and materials. <b>Cost is \$3,825.00 per Day.</b>

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## 395 PROGRAM TASK DESCRIPTIONS

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<u>Code</u>	<u>Task</u>
T052	<b>Ground Penetrating Radar (GPR):</b> This SOW consists of all personnel time and equipment needed to perform a GPR survey and produce a report describing the results (to be included in the SCR or SCR Addendum). This includes time for report review, clerical support, and all other direct costs such as copying and binding. <b>Cost is \$235.00 per Hour.</b>
T053	<b>Slug Test:</b> This SOW includes field personnel and equipment to conduct a slug test to determine aquifer parameters. Equipment includes a bailer, rope, and a data logger with pressure transducer. <b>Cost is \$105.00 per Hour.</b>
T054	<b>12 Hour Pump Test:</b> This SOW consists of all field personnel and equipment to set up and perform a 12 hour pump test to determine aquifer parameters. Equipment includes a submersible pump, two interface probes, a data logger with pressure transducers, a generator, a portable tank, and decontamination expendables. Time for data analysis and results write-up is not included in this SOW (incorporate these activities in the SCR or SCR Addendum SOW). Disposal charges for contaminated water should be billed separately. <b>Cost is \$1,850.00 per Test.</b>
T055	<b>24 Hour Pump Test:</b> This SOW consists of all field personnel and equipment to set up and perform a 24 hour pump test to determine aquifer parameters. Equipment includes a submersible pump, two interface probes, a data logger with pressure transducers, a generator, a portable tank, and decontamination expendable. Time for data analysis and results write-up is not included in this SOW (incorporate these activities in the SCR or SCR Addendum SOW). Disposal charges for contaminated water should be billed separately. <b>Cost is \$3,575.00 per Test.</b>
T056	<b>48 Hour Pump Test:</b> This SOW consists of all field personnel and equipment to set up and perform a 48 hour pump test to determine aquifer parameters. Equipment includes a submersible pump, two interface probes, a data logger with pressure transducers, a generator, a portable tank, and decontamination expendables. Time for data analysis and results write-up is not included in this SOW (incorporate these activities in the SCR or SCR Addendum SOW). Disposal charges for contaminated water should be billed separately. <b>Cost is \$6,450.00 per Test.</b>
T057	<b>72 Hour Pump Test:</b> This SOW consists of all field personnel and equipment to set up and perform a 72 hour pump test to determine aquifer parameters. Equipment includes a submersible pump, two interface probes, a data logger with pressure transducers, a generator, a portable tank, and decontamination expendables. Time for data analysis and results write-up is not included in this SOW (incorporate these activities in the SCR or SCR Addendum SOW). Disposal charges for contaminated water should be billed separately. <b>Cost is \$9,350.00 per Test.</b>
T058	<b>Terrain Conductivity:</b> This SOW consists of all necessary personnel and equipment needed to perform a terrain conductivity survey and produce a report describing the results (to be included in the SCR or SCR Addendum). This includes time for review, clerical support, and all other direct costs such as copying and binding. <b>Cost is \$1.85 per Linear Foot.</b>
T059	<b>Site Characterization Report:</b> This SOW consists of all personnel time for the preparation of a site characterization report. This includes time for data analysis and summary, risk and remediation assessments, drafting of figures, report review, and clerical support. This SOW also includes all other direct costs, such as copying and binding. <b>Cost is \$5,875.00 per Report.</b>

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## 395 PROGRAM TASK DESCRIPTIONS

<u>Code</u>	<u>Task</u>
<b>T059A</b>	<b>Alternate Water Supply Add-On:</b> If an AWS has been provided for the site, this SOW may be submitted along with task T059 (Site Characterization Report). This task provides the additional time necessary to prepare the Site Characterization Report. This task may only be claimed once per site. <b>Cost is \$780.00 per Site.</b>
<b>T059B</b>	<b>Impacted Surface Water Add-On:</b> If surface waters have been impacted by the release, this SOW may be submitted along with task T059 (Site Characterization Report). This task provides additional time necessary to prepare the Site Characterization Report. This task may only be claimed once per site. <b>Cost is \$780.00 per Site.</b>
<b>T059C</b>	<b>Additional Data Point Add-On:</b> This task is used to accommodate additional report preparation costs due to large amounts of data. T059 assumes a maximum of 15 data points were analyzed and evaluated for report preparation. This SOW allows additional costs depending on the number of data points in excess of 15. A data point is any point (well, piezometer, direct push technology) from which a soil or water sample is collected. Installation of a monitoring well with split-spoon sampling or completion of a soil boring as a monitoring well counts as two data points. Every 10 soil gas survey samples count as one data point, rounding up to the next highest data point (i.e. 22 soil gas survey samples equal 3 data points). The maximum number of data points which may be awarded for a soil gas survey is 5. <b>Cost is \$105.00 per Point.</b>
<b>T059D</b>	<b>Free Product (Liquid Phase) Add-On:</b> If recoverable free product has been encountered in a monitoring well at the site, this SOW may be submitted along with task T059 (Site Characterization Report). This task provides additional time necessary to prepare the Site Characterization Report. This task may only be claimed once per site. <b>Cost is \$560.00 per Site.</b>
<b>T060</b>	<b>Site Characterization Report Addendum:</b> This SOW consists of all personnel time to prepare a site characterization report addendum. This addendum is only prepared to address deficiencies in the site specific site characterization report identified by the Regional Office. This includes time for data analysis and summary, risk and remediation assessments, drafting of figures, report review, and clerical support. This SOW also includes all other direct costs, such as copying and binding. Only 1 SCR Addendum will be reimbursed per occurrence. <b>Cost is \$3,050.00 per Report.</b>
<b>T061</b>	<b>Soil Excavation:</b> This SOW consists of excavating soils with a crawler-mounted hydraulic backhoe with a one and one-half cubic yard bucket and a two-man crew. This activity does not include mobilization of equipment to the site. <b>Cost is \$2.30 per Cubic Yard.</b>
<b>T062</b>	<b>Corrective Action Plan Preparation:</b> This SOW consists of all personnel time for the preparation of a corrective action plan. This includes time for system design, professional review, drafting figures, and clerical support. This SOW also includes all other direct costs, such as copying, binding, and public notification. This SOW does not include costs associated with computer modeling, remediation system optimization, or public hearings. <b>Cost is \$7,875.00 per Report.</b>

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## 395 PROGRAM TASK DESCRIPTIONS

<u>Code</u>	<u>Task</u>
T063	<b>Corrective Action Plan Addendum Preparation:</b> This SOW consists of all personnel time for the preparation of a corrective action plan addendum. This addendum is only prepared to address deficiencies in the corrective action plan identified by the Regional Office. This includes time for system design, professional review, drafting figures, and clerical support. This SOW also includes all other direct costs, such as copying, binding. This SOW does not include costs associated with computer modeling or remediation system optimization. Only 1 CAP Addendum will be reimbursed per occurrence. <b>Cost is \$4,325.00 per Report.</b>
T064	<b>Reimbursement Claim Preparation:</b> This SOW consists of all personnel time for the preparation of a reimbursement claim. <b>Cost is \$500.00 per Phase or Reimbursement Period.</b>
T065	<b>50-250 CFM Dual Phase Extraction Pump and Power Supply System:</b> This SOW is for the use of a mobile liquid ring pump system capable of achieving a flow rate of 50-250 CFM at a vacuum of 25" Hg, inlet manifold, drop out tank, seal water reservoir, a suitable power source, controls, and all connecting fittings. This task does not include subsurface recovery components. <b>Cost is \$430.00 per day.</b>
T066	<b>250-500 CFM Dual Phase Extraction Pump and Power Supply System:</b> This SOW is for the use of a mobile liquid ring pump system capable of achieving a flow rate of 250-500 CFM at a vacuum of 25" Hg, inlet manifold, drop out tank, seal water reservoir, a suitable power source, controls, and all connecting fittings. This task does not include subsurface recovery components. <b>Cost is \$520.00 per day.</b>
T067	<b>500-850 CFM Dual Phase Extraction Pump and Power Supply System:</b> This SOW is for the use of a mobile liquid ring pump system capable of achieving a flow rate of 500-850 CFM at a vacuum of 25" Hg, inlet manifold, drop out tank, seal water reservoir, a suitable power source, controls, and all connecting fittings. This task does not include subsurface recovery components. <b>Cost is \$680.00 per day.</b>
T068	<b>Dual Phase Extraction Treatment Assembly:</b> This SOW is for the use of mobile treatment components used in conjunction with a dual phase extraction system. The treatment assembly includes an oil water separator, tray stripper with suitable blower, activated carbon vessels, transfer pumps, all necessary switches, controls, and connecting fittings. This treatment assembly has a maximum capacity of 12 gpm. <b>Cost is \$295.00 per day.</b>
T069	<b>Dual Phase Extraction and Treatment System Mob/Demob:</b> This SOW is for mobilization to and from the site. This SOW encompasses the personnel and the use of a tow vehicle and trailer or suitable truck for transport of extraction and treatment components to a site. This task is to be used in lieu of a per mile rate. <b>Cost is \$250.00 per mob/demob.</b>

### 395 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
<b>PROFESSIONAL/TECHNICAL STAFF</b>			
M0001	Principal	Hour	\$ 115.00
M0002	Senior Professional	Hour	\$ 90.00
M0003	Project Manager	Hour	\$ 75.00
M0004	Mid-Level Professional	Hour	\$ 60.00
M0005	Junior Level Professional	Hour	\$ 52.00
M0006	Technician III	Hour	\$ 45.00
M0007	Technician II	Hour	\$ 40.00
M0008	Technician I	Hour	\$ 35.00
M0009	Clerical	Hour	\$ 30.00
M0010	CAD Operator	Hour	\$ 45.00
M0011	Surveyor Crew Chief	Hour	\$ 35.00
M0012	Surveyor Rod Man	Hour	\$ 30.00
M0013	Draftsman	Hour	\$ 32.00
M0014	Supervisor/Foreman	Hour	\$ 45.00
<b>TRADES - Trades will be paid at 1.5 times hourly rate for overtime</b>			
M0015	Electrician	Hour	\$ 40.00
M0016	Plumber	Hour	\$ 33.00
M0017	Welder	Hour	\$ 37.00
M0018	Laborer	Hour	\$ 29.00
M0019	Utility Line Location - 1 person crew	Hour	\$ 65.00
M0020	Utility Line Location - 2 person crew	Hour	\$ 100.00
<b>EXPENDABLE EQUIPMENT</b>			
M0021	Acetone	Gallon	\$ 29.00
M0022	Alconox	Gallon	\$ 15.00
M0023	Bailer, Disposable	Each	\$ 10.00
M0024	Brushes	Each	\$ 4.75
M0025	Bucket, Plastic	Each	\$ 5.00
M0026	Distilled Water	Gallon	\$ 2.25
M0027	Draeger Tubes	Each	\$ 6.00
M0028	Drums, 55 gal. Poly	Each	\$ 49.00
M0029	Drums, 55 gal. Steel	Each	\$ 41.00
M0030	Drums, 55 gal. Fiberboard	Each	\$ 23.00

### 395 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0031	Drums, 30 gal. Fiber DOT	Each	\$ 22.00
M0032	Face shield	Each	\$ 9.00
M0033	Fertilizer (10-10-10)	50 lb.	\$ 11.00
M0034	Field books	Each	\$ 8.00
M0035	Flashlight	Each	\$ 8.00
M0036	Garbage bags	100 bags	\$ 19.00
M0037	Gloves - Acid	Pair	\$ 9.00
M0038	Gloves - Nitril	Pair	\$ 6.00
M0039	Gloves - PVC	Pair	\$ 6.00
M0040	Gloves - Latex Sampling	Pair	\$ 1.00
M0041	Hay Bale with rebar	Each	\$ 5.00
M0042	Hearing protection	Pair	\$ 0.75
M0043	Hydrochloric. Acid	Gallon	\$ 36.00
M0044	Hydrogen Peroxide	Gallon	\$ 47.00
M0045	Ice	20 lb. Bag	\$ 3.00
M0046	Lumber 2 x 4" x 12'	Each	\$ 5.25
M0047	Lumber 4" x 4" x 12'	Each	\$ 10.50
M0048	Methanol	Gallon	\$ 35.00
M0049	Nitric Acid	Gallon	\$ 44.00
M0050	Nitrogen	Cylinder	\$ 39.00
M0051	Over Pack Drums, 85 gal. Poly	Each	\$ 185.00
M0052	Over Pack Drums, 85 gal. Steel	Each	\$ 135.00
M0053	Pad Locks	Each	\$ 7.00
M0054	Photographic Film (35 mm/24 exp)	Roll	\$ 5.00
M0055	Photographic Film (35 mm/36 exp)	Roll	\$ 7.00
M0056	Plastic Sample Bags	Each	\$ 0.50
M0057	Plywood (4 ft x 8 ft x 0.5 in)	Each	\$ 18.00
M0058	Poly Film (100' x 20') - 6 mil	Each	\$ 62.00
M0059	Poly Film (100' x 20') - 8 mil	Each	\$ 94.00
M0060	Poly Film (100' x 20') - 10 mil	Each	\$ 125.00
M0061	Protective Goggles	Each	\$ 4.25
M0062	Respirator Cart - 7251 organic vapor	Each	\$ 7.25
M0063	Respirator Cart - 7252 acid gas	Each	\$ 6.25
M0064	Respirator Cart - 7255 air filter	Each	\$ 6.00
M0065	Respirator Cart - 7275 formaldehyde	Each	\$ 6.00

### 395 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0066	Rope, nylon	Foot	\$ 0.25
M0067	Safety fence	Foot	\$ 1.75
M0068	Sample Jar - 4 oz. w/Teflon lid	Each	\$ 2.50
M0069	Sample Jar - 8 oz. w/Teflon lid	Each	\$ 2.75
M0070	Sample Jar - 16 oz. w/lid	Each	\$ 3.00
M0071	Sample Jar - 32 oz. w/lid	Each	\$ 3.50
M0072	Sample Jar - 40 ml amber vial	Each	\$ 1.75
M0073	Sample Jar - 40 ml clear vial	Each	\$ 1.75
M0074	Sample Label	100 labels	\$ 10.00
M0075	Saranex Suit	Each	\$ 20.00
M0076	Shoe Covers	Pair	\$ 3.25
M0077	Slipover rubber boots	Pair	\$ 15.00
M0078	Sodium Thiosulfate	Gallon	\$ 27.00
M0079	Sorbent Booms	10-ft. length	\$ 35.00
M0080	Sorbent Litter	Bag	\$ 28.00
M0081	Sorbent pad	Each	\$ 1.00
M0082	Sorbent Sweep	12 lb. Bag	\$ 76.20
M0083	Sulfuric Acid	Gallon	\$ 38.00
M0084	Tape - Caution	Roll	\$ 20.00
M0085	Tape - Duct	Roll	\$ 5.00
M0086	Tape - Electrical	Roll	\$ 2.50
M0087	Tape - Survey	Roll	\$ 12.00
M0088	Tape - Teflon	Roll	\$ 3.00
M0089	Tedlar bag	Each	\$ 16.00
M0090	Tyvek Suit	Each	\$ 7.00
M0091	Tyvek Hood	Each	\$ 6.50
M0092	Vacuum Pump	Each	\$ 104.00
M0093	Waders, Chemical	Pair	\$ 95.00
M0094	Waders, Rubber	Pair	\$ 57.00
M0095	Zip Lock Bags - 1 qt.	100 bags	\$ 14.00
M0096	Zip Lock Bags - 2 qt.	100 bags	\$ 20.00
<b>SERVICES</b>			
M0097	Film Development - (35 mm/24 exp)	Roll	\$ 12.00
M0098	Film Development - (35 mm/36 exp)	Roll	\$ 16.00

### 395 PROGRAM MATERIAL UCRS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0099	Shipping for Laboratory Samples	Cooler	Bill at Cost
<b>LABORATORY ANALYSES</b>			
Emergency multiplier: 48 hour turnaround 1.5 X cost; 24 hour turnaround 2 X cost.			
M0100	TPH-CAL.LUFT Method - Gasoline	Sample	\$ 86.00
M0101	TPH-CAL.LUFT Method - Diesel	Sample	\$ 81.00
M0102	Reactivity	Sample	\$ 76.00
M0103	Method 301.1	Sample	\$ 199.00
M0104	Method 160.3 - moisture	Sample	\$ 15.00
M0105	Method 305.1	Sample	\$ 16.00
M0106	Method 418.1	Sample	\$ 54.00
M0107	Method 601	Sample	\$ 113.00
M0108	Method 602 - with MTBE add \$10.00	Sample	\$ 94.00
M0109	Method 608	Sample	\$ 143.00
M0110	Method 610	Sample	\$ 153.00
M0111	Method 612	Sample	\$ 141.00
M0112	Method 614	Sample	\$ 159.00
M0113	Method 615	Sample	\$ 180.00
M0114	Method 617	Sample	\$ 167.00
M0115	Method 619	Sample	\$ 282.00
M0116	Method 624	Sample	\$ 197.00
M0117	Method 625	Sample	\$ 426.00
M0118	Method 630.1	Sample	\$ 258.00
M0119	Method 632	Sample	\$ 301.00
M0120	Method 909.A	Sample	\$ 42.00
M0121	TPH-CAL.LUFT Method - Gasoline (soil matrix)	Sample	\$ 88.00
M0122	TPH-CAL.LUFT Method - Diesel (soil matrix)	Sample	\$ 85.00
M0123	TPH - 418.1	Sample	\$ 50.00
M0124	Reactivity	Sample	\$ 74.00
M0125	Method 1010 (Ignitability)	Sample	\$ 35.00
M0126	Method 1110 (Corrosivity)	Sample	\$ 62.00
M0127	Method 1310 (EP Tox)	Sample	\$ 142.00
M0128	Method 7060 (As)	Sample	\$ 20.00
M0129	Method 7061 (As)	Sample	\$ 20.00
M0130	Method 7130 (Cd)	Sample	\$ 17.00

### 395 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0131	Method 7131 (Cd)	Sample	\$ 19.00
M0132	Method 7190 (Cr)	Sample	\$ 17.00
M0133	Method 7191 (Cr)	Sample	\$ 19.00
M0134	Method 7380	Sample	\$ 16.00
M0135	Method 7420 (Pb)	Sample	\$ 17.00
M0136	Method 7421 (Pb)	Sample	\$ 19.00
M0137	Method 7460	Sample	\$ 16.00
M0138	Method 8010	Sample	\$ 106.00
M0139	Method 8015-M (TPH)	Sample	\$ 105.00
M0140	Method 8020	Sample	\$ 92.00
M0141	Method 8040	Sample	\$ 145.00
M0142	Method 8080 (PCB)	Sample	\$ 142.00
M0143	Method 8100	Sample	\$ 153.00
M0144	Method 8120	Sample	\$ 131.00
M0145	Method 8140	Sample	\$ 146.00
M0146	Method 8150	Sample	\$ 182.00
M0147	Method 8240	Sample	\$ 220.00
M0148	Method 8250	Sample	\$ 449.00
M0149	Method 8270	Sample	\$ 438.00
M0150	Method 8310	Sample	\$ 173.00
M0151	Method 9010	Sample	\$ 55.00
M0152	Method 9020 (TOX)	Sample	\$ 80.00
M0153	Method 9030 (sulfides)	Sample	\$ 28.00
M0154	Method 9045 (pH)	Sample	\$ 10.00
M0155	Method 9095 (paint filter test)	Sample	\$ 14.00
M0156	Method 9131	Sample	\$ 40.00
M0157	Method TO3 (Air Matrix)	Sample	\$ 196.00
M0158	Method 1311 (TCLP - Zero Headspace Extraction)	Sample	\$ 140.00
M0159	Method 1311 (TCLP - Non-Volatile Extraction)	Sample	\$ 95.00
M0160	Method 8270A (TCLP - Semi-volatiles)	Sample	\$ 460.00
M0161	Method 8240A (TCLP - Volatiles)	Sample	\$ 250.00
M0162	TCLP Metals	Sample	\$ 138.00
M0163	Method 8080/8150A (TCLP Pesticides/Herbicides)	Sample	\$ 280.00

### 395 PROGRAM MATERIAL UCRS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
<b>GEOTECHNICAL TESTING</b>			
M0164	Permeability Test - Falling Head	Test	\$ 216.00
M0165	Permeability Test - Constant Head	Test	\$ 313.00
M0166	Sieve Analysis	Sample	\$ 51.00
M0167	Rapid Settling Analysis	Sample	\$ 116.00
M0168	Pipette Analysis	Sample	\$ 82.00
M0169	Shear Test	Sample	\$ 193.00
M0170	Stress / Strain Analysis	Sample	\$ 153.00
M0171	Slump Test	Sample	\$ 61.00
<b>EQUIPMENT RENTAL/USE RATES</b>			
M0172	Air Blower - 350 CFM	Day	\$ 30.00
M0173	Air Blower - 350 CFM	Week	\$ 99.00
M0174	Air Blower - 350 CFM	Month	\$ 233.00
M0175	Air Blower (Explosion Proof) 1,000 CFM	Day	\$ 59.00
M0176	Air Blower (Explosion Proof) 1,000 CFM	Week	\$ 196.00
M0177	Air Blower (Explosion Proof) 1,000 CFM	Month	\$ 440.00
M0178	Air Compressor 40-90 psi; 4 HP	Day	\$ 58.00
M0179	Air Compressor 40-90 PSI; 4 HP	Week	\$ 198.00
M0180	Air Compressor 40-90 PSI; 4 HP	Month	\$ 475.00
M0181	Air Compressor 90-175 PSI; 5 HP	Day	\$ 65.00
M0182	Air Compressor 90-175 PSI; 5 HP	Week	\$ 213.00
M0183	Air Compressor 90-175 PSI; 5 HP	Month	\$ 503.00
M0184	Air Compressor 90-175 PSI; 9 HP	Day	\$ 76.00
M0185	Air Compressor 90-175 PSI; 9 HP	Week	\$ 260.00
M0186	Air Compressor 90-175 PSI; 9 HP	Month	\$ 739.00
M0187	Air Hose (.5" with coupling)	Day	\$ 6.00
M0188	Air Hose (.5" with coupling)	Week	\$ 17.00
M0189	Air Hose (.5" with coupling)	Month	\$ 36.00
M0190	Air Hose ( .75" with coupling)	Day	\$ 6.00
M0191	Air Hose ( .75" with coupling)	Week	\$ 19.00
M0192	Air Hose ( .75" with coupling)	Month	\$ 40.00
M0193	Air Hose ( 1" with coupling)	Day	\$ 9.00
M0194	Air Hose ( 1" with coupling)	Week	\$ 29.00

### 395 PROGRAM MATERIAL UCRS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0195	Air Hose ( 1" with coupling)	Month	\$ 66.00
M0196	Bailer - PVC	Day	\$ 7.25
M0197	Bailer - PVC	Week	\$ 30.00
M0198	Bailer - PVC	Month	\$ 78.00
M0199	Bailer - Stainless Steel	Day	\$ 9.00
M0200	Bailer - Stainless Steel	Week	\$ 37.00
M0201	Bailer - Stainless Steel	Month	\$ 97.00
M0202	Bailer - Teflon	Day	\$ 9.50
M0203	Bailer - Teflon	Week	\$ 35.00
M0204	Bailer - Teflon	Month	\$ 90.00
M0205	Bailer - Acrylic	Day	\$ 7.50
M0206	Bailer - Acrylic	Week	\$ 32.00
M0207	Bailer - Acrylic	Month	\$ 88.00
M0208	Barricade	Day	\$ 10.00
M0209	Barricade	Week	\$ 12.00
M0210	Barricade	Month	\$ 25.00
M0211	Bolt Cutters	Day	\$ 5.00
M0212	Bolt Cutters	Week	\$ 11.00
M0213	Bolt Cutters	Month	\$ 34.00
M0214	Broadcast Spreader	Day	\$ 15.00
M0215	Broadcast Spreader	Week	\$ 56.00
M0216	Broadcast Spreader	Month	\$ 152.00
M0217	Bush Ax	Day	\$ 4.25
M0218	Bush Ax	Week	\$ 10.00
M0219	Bush Ax	Month	\$ 28.00
M0220	Camera, 35 mm	Day	\$ 5.00
M0221	Camera, 35 mm	Week	\$ 13.00
M0222	Camera, 35 mm	Month	\$ 27.00
M0223	Chain Saw	Day	\$ 46.00
M0224	Chain Saw	Week	\$ 155.00
M0225	Chain Saw	Month	\$ 397.00
M0226	Concrete Saw, push type	Day	\$ 80.00
M0227	Concrete Saw, push type	Week	\$ 274.00
M0228	Concrete Saw, push type	Month	\$ 627.00
M0229	Conductivity Meter	Day	\$ 19.00

**395 PROGRAM MATERIAL UCRS**

<b>CODE</b>	<b>MATERIAL</b>	<b>UNIT TYPE</b>	<b>UNIT RATE</b>
M0230	Conductivity Meter	Week	\$ 70.00
M0231	Conductivity Meter	Month	\$ 181.00
M0232	Control Panel	Day	\$ 46.00
M0233	Control Panel	Week	\$ 119.00
M0234	Control Panel	Month	\$ 393.00
M0235	Cooler 48 qt.	Day	\$ 3.75
M0236	Cooler 48 qt.	Week	\$ 10.00
M0237	Cooler 48 qt.	Month	\$ 24.00
M0238	Cooler 60 qt.	Day	\$ 4.00
M0239	Cooler 60 qt.	Week	\$ 12.00
M0240	Cooler 60 qt.	Month	\$ 31.00
M0241	Cooler 80 qt.	Day	\$ 4.50
M0242	Cooler 80 qt.	Week	\$ 12.00
M0243	Cooler 80 qt.	Month	\$ 31.00
M0244	Cutting Torch (with accessories)	Day	\$ 53.00
M0245	Cutting Torch (with accessories)	Week	\$ 144.00
M0246	Cutting Torch (with accessories)	Month	\$ 313.00
M0247	Draeger Pump	Day	\$ 11.00
M0248	Draeger Pump	Week	\$ 33.00
M0249	Draeger Pump	Month	\$ 91.00
M0250	Drum Dolly	Day	\$ 10.00
M0251	Drum Dolly	Week	\$ 34.00
M0252	Drum Dolly	Month	\$ 61.00
M0253	Explosimeter	Day	\$ 32.00
M0254	Explosimeter	Week	\$ 104.00
M0255	Explosimeter	Month	\$ 256.00
M0256	FID, OVA	Day	\$ 119.00
M0257	FID, OVA	Week	\$ 392.00
M0258	FID, OVA	Month	\$ 1,030.00
M0259	Flood Lights (1,000 watts)	Day	\$ 35.00
M0260	Flood Lights (1,000 watts)	Week	\$ 119.00
M0261	Flood Lights (1,000 watts)	Month	\$ 295.00
M0262	Flood Lights (2,000 watts)	Day	\$ 53.00
M0263	Flood Lights (2,000 watts)	Week	\$ 170.00
M0264	Flood Lights (2,000 watts)	Month	\$ 457.00

### 395 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0265	Flow Meter	Day	\$ 21.00
M0266	Flow Meter	Week	\$ 67.00
M0267	Flow Meter	Month	\$ 180.00
M0268	Generator (<= 3 kW); 3 HP	Day	\$ 38.00
M0269	Generator (<= 3 kW); 3 HP	Week	\$ 130.00
M0270	Generator (<= 3 kW); 3 HP	Month	\$ 353.00
M0271	Generator (4.5 kW); 8 HP	Day	\$ 52.00
M0272	Generator (4.5 kW); 8 HP	Week	\$ 177.00
M0273	Generator (4.5 kW); 8 HP	Month	\$ 479.00
M0274	Generator (6.5 kW); 11 HP	Day	\$ 93.00
M0275	Generator (6.5 kW); 11 HP	Week	\$ 323.00
M0276	Generator (6.5 kW); 11 HP	Month	\$ 841.00
M0277	Hand Auger	Day	\$ 11.50
M0278	Hand Auger	Week	\$ 35.00
M0279	Hand Auger	Month	\$ 90.00
M0280	Hand Tools (per set; non-sparking)	Day	\$ 5.75
M0281	Hand Tools (per set; non-sparking)	Week	\$ 16.75
M0282	Hand Tools (per set; non-sparking)	Month	\$ 47.00
M0283	Jackhammer	Day	\$ 28.00
M0284	Jackhammer	Week	\$ 88.00
M0285	Jackhammer	Month	\$ 220.00
M0286	Lysimeter	Day	\$ 26.00
M0287	Lysimeter	Week	\$ 83.00
M0288	Lysimeter	Month	\$ 225.00
M0289	Measuring Tape (100')	Day	\$ 4.00
M0290	Measuring Tape (100')	Week	\$ 11.00
M0291	Measuring Tape (100')	Month	\$ 31.00
M0292	Measuring Wheel	Day	\$ 5.25
M0293	Measuring Wheel	Week	\$ 17.00
M0294	Measuring Wheel	Month	\$ 41.00
M0295	Metal Detector	Day	\$ 30.00
M0296	Metal Detector	Week	\$ 113.00
M0297	Metal Detector	Month	\$ 321.00
M0298	Oil/Water Interface Probe	Day	\$ 40.00
M0299	Oil/Water Interface Probe	Week	\$ 149.00

### 395 PROGRAM MATERIAL UCRS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0300	Oil/Water Interface Probe	Month	\$ 357.00
M0301	pH Meter	Day	\$ 16.50
M0302	pH Meter	Week	\$ 64.00
M0303	pH Meter	Month	\$ 169.00
M0304	PID/HNu	Day	\$ 85.00
M0305	PID/HNu	Week	\$ 301.00
M0306	PID/HNu	Month	\$ 775.00
M0307	Portable Tank	Day	\$ 28.00
M0308	Portable Tank	Week	\$ 93.00
M0309	Portable Tank	Month	\$ 281.00
M0310	Portable Air Blower	Day	\$ 46.00
M0311	Portable Air Blower	Week	\$ 147.00
M0312	Portable Air Blower	Month	\$ 377.00
M0313	Portable GC	Day	\$ 296.00
M0314	Portable GC	Week	\$ 851.00
M0315	Portable GC	Month	\$ 2,325.00
M0316	Port-O-Let	Day	\$ 36.00
M0317	Port-O-Let	Week	\$ 66.00
M0318	Port-O-Let	Month	\$ 139.00
M0319	Power Auger	Day	\$ 45.00
M0320	Power Auger	Week	\$ 165.00
M0321	Power Auger	Month	\$ 447.00
M0322	Pressure Washer	Day	\$ 67.00
M0323	Pressure Washer	Week	\$ 237.00
M0324	Pressure Washer	Month	\$ 649.00
M0325	Air Sample	Day	\$ 29.00
M0326	Air Sample	Week	\$ 99.00
M0327	Air Sample	Month	\$ 241.00
M0328	Discharge Hose (1.5")	Day	\$ 8.00
M0329	Discharge Hose 1.5"	Week	\$ 25.00
M0330	Discharge Hose 1.5"	Month	\$ 67.00
M0331	Discharge Hose (2")	Day	\$ 9.00
M0332	Discharge Hose (2")	Week	\$ 26.00
M0333	Discharge Hose (2")	Month	\$ 75.00
M0334	Discharge Hose (3")	Day	\$ 12.00

### 395 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0335	Discharge Hose (3")	Week	\$ 38.00
M0336	Discharge Hose (3")	Month	\$ 108.00
M0337	Discharge Hose (4")	Day	\$ 18.00
M0338	Discharge Hose (4")	Week	\$ 52.00
M0339	Discharge Hose (4")	Month	\$ 142.00
M0340	Discharge Hose (6")	Day	\$ 35.00
M0341	Discharge Hose (6")	Week	\$ 110.00
M0342	Discharge Hose (6")	Month	\$ 268.00
M0343	Suction Hose (1")	Day	\$ 7.25
M0344	Suction Hose (1")	Week	\$ 22.00
M0345	Suction Hose (1")	Month	\$ 72.00
M0346	Suction Hose (1.5")	Day	\$ 7.75
M0347	Suction Hose (1.5")	Week	\$ 26.00
M0348	Suction Hose (1.5")	Month	\$ 61.00
M0349	Suction Hose (2")	Day	\$ 8.50
M0350	Suction Hose (2")	Week	\$ 26.00
M0351	Suction Hose (2")	Month	\$ 70.00
M0352	Suction Hose (3")	Day	\$ 11.50
M0353	Suction Hose (3")	Week	\$ 34.00
M0354	Suction Hose (3")	Month	\$ 93.00
M0355	Suction Hose (4")	Day	\$ 23.00
M0356	Suction Hose (4")	Week	\$ 60.00
M0357	Suction Hose (4")	Month	\$ 141.00
M0358	Suction Hose (6")	Day	\$ 42.00
M0359	Suction Hose (6")	Week	\$ 113.00
M0360	Suction Hose (6")	Month	\$ 279.00
M0361	Centrifugal (1.5")	Day	\$ 39.00
M0362	Centrifugal (1.5")	Week	\$ 127.00
M0363	Centrifugal (1.5")	Month	\$ 368.00
M0364	Centrifugal (2")	Day	\$ 48.00
M0365	Centrifugal (2")	Week	\$ 158.00
M0366	Centrifugal (2")	Month	\$ 452.00
M0367	Centrifugal (3")	Day	\$ 70.00
M0368	Centrifugal (3")	Week	\$ 223.00
M0369	Centrifugal (3")	Month	\$ 632.00

### 395 PROGRAM MATERIAL UCRS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0370	Diaphragm (1")	Day	\$ 32.00
M0371	Diaphragm (1")	Week	\$ 109.00
M0372	Diaphragm (1")	Month	\$ 292.00
M0373	Diaphragm (1.5")	Day	\$ 36.00
M0374	Diaphragm (1.5")	Week	\$ 122.00
M0375	Diaphragm (1.5")	Month	\$ 335.00
M0376	Diaphragm (2")	Day	\$ 49.00
M0377	Diaphragm (2")	Week	\$ 160.00
M0378	Diaphragm (2")	Month	\$ 429.00
M0379	Diaphragm (3")	Day	\$ 58.00
M0380	Diaphragm (3")	Week	\$ 186.00
M0381	Diaphragm (3")	Month	\$ 505.00
M0382	Ejector (2")	Day	\$ 87.00
M0383	Ejector (2")	Week	\$ 286.00
M0384	Ejector (2")	Month	\$ 761.00
M0385	Ejector (4")	Day	\$ 96.00
M0386	Ejector (4")	Week	\$ 319.00
M0387	Ejector (4")	Month	\$ 874.00
M0388	Ejector (6")	Day	\$ 126.00
M0389	Ejector (6")	Week	\$ 434.00
M0390	Ejector (6")	Month	\$ 1,265.00
M0391	Explosion-proof	Day	\$ 79.00
M0392	Explosion-proof	Week	\$ 255.00
M0393	Explosion-proof	Month	\$ 676.00
M0394	Peristaltic	Day	\$ 60.00
M0395	Peristaltic	Week	\$ 183.00
M0396	Peristaltic	Month	\$ 499.00
M0397	Pneumatic (2")	Day	\$ 74.00
M0398	Pneumatic (2")	Week	\$ 231.00
M0399	Pneumatic (2")	Month	\$ 588.00
M0400	Pneumatic (4")	Day	\$ 81.00
M0401	Pneumatic (4")	Week	\$ 258.00
M0402	Pneumatic (4")	Month	\$ 686.00
M0403	Pneumatic (6")	Day	\$ 111.00
M0404	Pneumatic (6")	Week	\$ 357.00

### 395 PROGRAM MATERIAL UCRS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0405	Pneumatic (6")	Month	\$ 944.00
M0406	Scavenger Probe (4")	Day	\$ 79.00
M0407	Scavenger Probe (4")	Week	\$ 250.00
M0408	Scavenger Probe (4")	Month	\$ 685.00
M0409	Scavenger Probe (6")	Day	\$ 97.00
M0410	Scavenger Probe (6")	Week	\$ 322.00
M0411	Scavenger Probe (6")	Month	\$ 824.00
M0412	Skimmer - Floating (2")	Day	\$ 44.00
M0413	Skimmer - Floating (2")	Week	\$ 133.00
M0414	Skimmer - Floating (2")	Month	\$ 362.00
M0415	Skimmer - Floating (4")	Day	\$ 50.00
M0416	Skimmer - Floating (4")	Week	\$ 171.00
M0417	Skimmer - Floating (4")	Month	\$ 511.00
M0418	Skimmer - Floating (6")	Day	\$ 51.00
M0419	Skimmer - Floating (6")	Week	\$ 208.00
M0420	Skimmer - Floating (6")	Month	\$ 608.00
M0421	Submersible (2")	Day	\$ 50.00
M0422	Submersible (2")	Week	\$ 171.00
M0423	Submersible (2")	Month	\$ 433.00
M0424	Submersible (4")	Day	\$ 87.00
M0425	Submersible (4")	Week	\$ 284.00
M0426	Submersible (4")	Month	\$ 785.00
M0427	Submersible (6")	Day	\$ 128.00
M0428	Submersible (6")	Week	\$ 446.00
M0429	Submersible (6")	Month	\$ 1,215.00
M0430	Trash (2")	Day	\$ 41.00
M0431	Trash (2")	Week	\$ 147.00
M0432	Trash (2")	Month	\$ 359.00
M0433	Trash (4")	Day	\$ 77.00
M0434	Trash (4")	Week	\$ 240.00
M0435	Trash (4")	Month	\$ 661.00
M0436	Trash (6")	Day	\$ 159.00
M0437	Trash (6")	Week	\$ 483.00
M0438	Trash (6")	Month	\$ 1,384.00
M0439	Product Collection Tank with Oil/Water Separator - 550 Gallon	Day	\$ 134.00

**395 PROGRAM MATERIAL UCRS**

<b>CODE</b>	<b>MATERIAL</b>	<b>UNIT TYPE</b>	<b>UNIT RATE</b>
M0440	Product Collection Tank with Oil/Water Separator - 550 Gallon	Week	\$ 498.00
M0441	Product Collection Tank with Oil/Water Separator - 550 Gallon	Month	\$ 1,470.00
M0442	Product Collection Tank with Oil/Water Separator - 1,000 Gallon	Day	\$ 186.00
M0443	Product Collection Tank with Oil/Water Separator - 1,000 Gallon	Week	\$ 650.00
M0444	Product Collection Tank with Oil/Water Separator - 1,000 Gallon	Month	\$ 2,205.00
M0445	Respirator - Full Face	Day	\$ 15.00
M0446	Respirator - Full Face	Week	\$ 48.00
M0447	Respirator - Full Face	Month	\$ 125.00
M0448	Respirator - Half Face	Day	\$ 10.75
M0449	Respirator - Half Face	Week	\$ 35.00
M0450	Respirator - Half Face	Month	\$ 88.00
M0451	Road Safety Cones (per 100)	Day	\$ 35.00
M0452	Road Safety Cones (per 100)	Week	\$ 88.00
M0453	Road Safety Cones (per 100)	Month	\$ 195.00
M0454	Safety Belt	Day	\$ 4.75
M0455	Safety Belt	Week	\$ 14.25
M0456	Safety Belt	Month	\$ 48.00
M0457	Safety Harness	Day	\$ 12.00
M0458	Safety Harness	Week	\$ 29.00
M0459	Safety Harness	Month	\$ 77.00
M0460	SCBA	Day	\$ 44.00
M0461	SCBA	Week	\$ 172.00
M0462	SCBA	Month	\$ 501.00
M0463	Slide Hammer	Day	\$ 7.50
M0464	Slide Hammer	Week	\$ 21.00
M0465	Slide Hammer	Month	\$ 58.00
M0466	Spark Proof Tool Set	Day	\$ 11.00
M0467	Spark Proof Tool Set	Week	\$ 38.00
M0468	Spark Proof Tool Set	Month	\$ 122.00
M0469	Stainless Steel Bucket	Day	\$ 3.75
M0470	Stainless Steel Bucket	Week	\$ 13.50
M0471	Stainless Steel Bucket	Month	\$ 38.00
M0472	Steam Cleaner	Day	\$ 78.00
M0473	Steam Cleaner	Week	\$ 307.00
M0474	Steam Cleaner	Month	\$ 737.00

### 395 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0475	Supplied Air Line Equip	Day	\$ 115.00
M0476	Supplied Air Line Equip	Week	\$ 414.00
M0477	Supplied Air Line Equip	Month	\$ 1,140.00
M0478	Survey Equipment	Day	\$ 35.00
M0479	Survey Equipment	Week	\$ 124.00
M0480	Survey Equipment	Month	\$ 333.00
M0481	Trench Box	Day	\$ 109.00
M0482	Trench Box	Week	\$ 327.00
M0483	Trench Box	Month	\$ 891.00
M0484	Water Cooler (5 gallon)	Month	\$ 6.00
M0485	Water Bottle (5 gallon)	Bottle	\$ 3.50
M0486	Water Level Indicator	Day	\$ 15.00
M0487	Water Level Indicator	Week	\$ 56.00
M0488	Water Level Indicator	Month	\$ 146.00
M0489	Welder (gas powered)	Day	\$ 60.00
M0490	Welder (gas powered)	Week	\$ 189.00
M0491	Welder (gas powered)	Month	\$ 493.00
<b>SITE RESTORATION</b>			
M0492	Gravel	Cubic Yard	\$ 25.00
M0493	VDOT Asphalt Installation	Cubic Yard	\$ 249.00
M0494	Asphalt - Installation (1.5")	Square Foot	\$ 4.75
M0495	Asphalt - Removal	Square Foot	\$ 3.00
M0496	Concrete Removal - 4"	Square Foot	\$ 3.75
M0497	Concrete Removal - 6"	Square Foot	\$ 5.00
M0498	Concrete Removal - 12"	Square Foot	\$ 9.00
M0499	Concrete Installation - 4"	Square Foot	\$ 5.00
M0500	Concrete Installation - 6"	Square Foot	\$ 7.00
M0501	Concrete Installation - 12"	Square Foot	\$ 11.25
M0502	Rip Rap	Cubic Yard	\$ 43.00
<b>DRILLING &amp; WELL INSTALLATION</b>			
<b>[1] Charge to include labor, disposal, and site restoration charges. Does not include well construction materials or decontamination charges.</b>			
M0503	Bentonite Gel	50 Pound	\$ 12.00
M0504	Bentonite Pellets - 1/4"	50 Pound	\$ 44.00

### 395 PROGRAM MATERIAL UCRS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0505	Bentonite Pellets - 3/8"	50 Pound	\$ 36.00
M0506	Bentonite Pellets - 1/2"	50 Pound	\$ 34.00
M0507	Bentonite Chips - 1/4"	50 Pound	\$ 15.50
M0508	Bentonite Chips - 3/4"	50 Pound	\$ 14.50
M0509	Concrete	50 Pound	\$ 9.75
M0510	Graded Sand	60 Pound	\$ 10.25
M0511	Graded Sand	100 Pound	\$ 13.50
M0512	Neat Cement Grout	50 Pound	\$ 14.50
M0513	Well ID Plates	Each	\$ 9.25
M0514	Manholes 8" Non-watertight	Each	\$ 56.00
M0515	Manhole - 12" Non-watertight	Each	\$ 72.00
M0516	Manhole - 8" Watertight	Each	\$ 79.00
M0517	Manhole - 12" Watertight	Each	\$ 97.00
M0518	Well Cap - Locking 2"	Each	\$ 17.50
M0519	Well Cap - Locking 4"	Each	\$ 25.00
M0520	Well Cap - Locking 6"	Each	\$ 42.00
M0521	Well Cap - Locking 8"	Each	\$ 66.00
M0522	Well Plug - Locking 2"	Each	\$ 18.50
M0523	Well Plug - Locking 4"	Each	\$ 22.00
M0524	Well Plug - Locking 6"	Each	\$ 43.00
M0525	Well Plug - Locking 8"	Each	\$ 79.00
M0526	Centralizer - 2"	Each	\$ 19.50
M0527	Centralizer - 4"	Each	\$ 24.00
M0528	Centralizer - 6"	Each	\$ 31.00
M0529	Centralizer - 8"	Each	\$ 43.00
M0530	Casing - Schedule 40 PVC, flush threaded, 2"	Foot	\$ 5.00
M0531	Casing - Schedule 40 PVC, flush threaded, 4"	Foot	\$ 8.25
M0532	Casing - Schedule 40 PVC, flush threaded, 6"	Foot	\$ 13.00
M0533	Casing - Schedule 40 PVC, flush threaded, 8"	Foot	\$ 22.00
M0534	Casing - Stainless Steel, threaded & coupled, 2"	Foot	\$ 16.50
M0535	Casing - Stainless Steel, threaded & coupled, 4"	Foot	\$ 30.50
M0536	Casing - Stainless Steel, threaded & coupled, 6"	Foot	\$ 56.00
M0537	Casing - Stainless Steel, threaded & coupled, 8"	Foot	\$ 100.00
M0538	Casing - Black Steel, threaded and coupled, ASTM 120, 0.237 wall, 4"	Foot	\$ 15.25
M0539	Casing - Black Steel, threaded and coupled, ASTM 120, 0.237 wall, 6"	Foot	\$ 22.50

### 395 PROGRAM MATERIAL UCRS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0540	Casing - Black Steel, threaded and coupled, ASTM 120, 0.237 wall, 8"	Foot	\$ 36.50
M0541	Well Screens - Schedule 40 PVC, 0.010" slot, flush threaded, 2"	Foot	\$ 7.00
M0542	Well Screens - Schedule 40 PVC, 0.010" slot, flush threaded, 4"	Foot	\$ 11.50
M0543	Well Screens - Schedule 40 PVC, 0.010" slot, flush threaded, 6"	Foot	\$ 19.00
M0544	Well Screens - Schedule 40 PVC, 0.010" slot, flush threaded, 8"	Foot	\$ 28.00
M0545	Well Screens - Schedule 40 PVC, 0.020" slot, flush threaded, 2"	Foot	\$ 7.00
M0546	Well Screens - Schedule 40 PVC, 0.020" slot, flush threaded, 4"	Foot	\$ 11.50
M0547	Well Screens - Schedule 40 PVC, 0.020" slot, flush threaded, 6"	Foot	\$ 19.00
M0548	Well Screens - Schedule 40 PVC, 0.020" slot, flush threaded, 8"	Foot	\$ 28.00
M0549	Well Screens, Stainless Steel, wire wrap, .010" slot, T&C, 2"	Foot	\$ 30.00
M0550	Well Screens, Stainless Steel, wire wrap, .010" slot, T&C, 4"	Foot	\$ 44.00
M0551	Well Screens, Stainless Steel, wire wrap, .010" slot, T&C, 6"	Foot	\$ 70.00
M0552	Well Screens, Stainless Steel, wire wrap, .010" slot, T&C, 8"	Foot	\$ 113.00
M0553	Well Screens, Stainless Steel, wire wrap, .020" slot, T&C, 2"	Foot	\$ 31.00
M0554	Well Screens, Stainless Steel, wire wrap, .020" slot, T&C, 4"	Foot	\$ 44.50
M0555	Well Screens, Stainless Steel, wire wrap, .020" slot, T&C, 6"	Foot	\$ 83.00
M0556	Well Screens, Stainless Steel, wire wrap, .020" slot, T&C, 8"	Foot	\$ 113.00
M0557	Well Screens, Galvanized Steel, wire wrap, .010" slot, T&C, 4"	Foot	\$ 42.00
M0558	Well Screens, Galvanized Steel, wire wrap, .010" slot, T&C, 6"	Foot	\$ 59.00
M0559	Well Screens, Galvanized Steel, wire wrap, .010" slot, T&C, 8"	Foot	\$ 82.00
M0560	Well Screens, Galvanized Steel, wire wrap, .020" slot, T&C, 4"	Foot	\$ 42.00
M0561	Well Screens, Galvanized Steel, wire wrap, .020" slot, T&C, 6"	Foot	\$ 62.00
M0562	Well Screens, Galvanized Steel, wire wrap, .020" slot, T&C, 8"	Foot	\$ 82.00
M0563	Plugs, Bottom, s/40 PVC, flush threaded, 2"	Each	\$ 7.25
M0564	Plugs, Bottom, s/40 PVC, flush threaded, 4"	Each	\$ 15.00
M0565	Plugs, Bottom, s/40 PVC, flush threaded, 6"	Each	\$ 30.00
M0566	Plugs, Bottom, s/40 PVC, flush threaded, 8"	Each	\$ 48.00
M0567	Plugs, Bottom, Stainless Steel, 2"	Each	\$ 32.00
M0568	Plugs, Bottom, Stainless Steel, 4"	Each	\$ 55.00
M0569	Plugs, Bottom, Stainless Steel, 6"	Each	\$ 83.00
M0570	Plugs, Bottom, Stainless Steel, 8"	Each	\$ 158.00
M0571	Plugs, Bottom, Black Steel, 4"	Each	\$ 25.00
M0572	Plugs, Bottom, Black Steel, 6"	Each	\$ 44.00
M0573	Plugs, Bottom, Black Steel, 8"	Each	\$ 68.00
M0574	Grouting of Annular Space, 2"	Linear Foot	\$ 6.50

**395 PROGRAM MATERIAL UCRs**

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0575	Grouting of Annular Space, 4"	Linear Foot	\$ 9.50
M0576	Grouting of Annular Space, 6"	Linear Foot	\$ 14.00
M0577	Grouting of Annular Space, 8"	Linear Foot	\$ 15.00
M0578	Grouting of Annular Space, 10"	Linear Foot	\$ 20.00
M0579	Well Protection Posts, installed, 4" x 5'	Each	\$ 95.00
M0580	Well Protection Posts, installed, 4" x 7'	Each	\$ 105.00
M0581	Well Protection Posts, installed, 6" x 5'	Each	\$ 125.00
M0582	Well Protection Posts, installed, 6" x 7'	Each	\$ 140.00
M0583	Well Vaults, locking, 12" x 12"	Each	\$ 203.00
M0584	Well Vaults, locking, 24" x 24"	Each	\$ 458.00
M0585	Well Covers, locking, 4" x 5'	Each	\$ 77.00
M0586	Well Covers, locking, 4" x 7'	Each	\$ 92.00
M0587	Well Covers, locking, 6" x 5'	Each	\$ 113.00
M0588	Well Covers, locking, 6" x 7'	Each	\$ 131.00
M0589	Well Covers, locking, 8" x 5'	Each	\$ 171.00
M0590	Air Rotary Drilling, 2" Well [1]	Linear Foot	\$ 20.00
M0591	Air Rotary Drilling, 4" Well [1]	Linear Foot	\$ 26.00
M0592	Air Rotary Drilling, 6" Well [1]	Linear Foot	\$ 35.00
M0593	Mud Rotary Drilling, 4" Well [1]	Linear Foot	\$ 19.00
M0594	Mud Rotary Drilling, 6" Well [1]	Linear Foot	\$ 24.00
M0595	Hollow Stem Auger, 2" Well	Linear Foot	\$ 11.50
M0596	Hollow Stem Auger, 4" Well	Linear Foot	\$ 14.50
M0597	Hollow Stem Auger, 6" Well	Linear Foot	\$ 21.00
M0598	Hollow Stem Auger with split spoon sampling @ 5 ft intervals, 2" Well [1]	Linear Foot	\$ 13.75
M0599	Hollow Stem Auger with split spoon sampling @ 5 ft intervals, 4" Well [1]	Linear Foot	\$ 17.00
M0600	Hollow Stem Auger with split spoon sampling @ 5 ft intervals, 6" Well [1]	Linear Foot	\$ 25.00
M0601	Soil Borings-Hollow Stem Auger with split spoon sampling @ 5 ft intervals, 4" auger [1]	Linear Foot	\$ 9.50
M0602	Well Abandonment, Grouting, Cement / Bentonite Slurry 90/10 mix by weight, 2" well	Linear Foot	\$ 5.50
M0603	Well Abandonment, Grouting, Cement / Bentonite Slurry 90/10 mix by weight, 4" well	Linear Foot	\$ 8.25
M0604	Well Abandonment, Grouting, Cement / Bentonite Slurry 90/10 mix by weight, 6" well	Linear Foot	\$ 11.25
M0605	Well Abandonment, Grouting, Cement / Bentonite Slurry 90/10 mix by weight, 8" well	Linear Foot	\$ 15.00
M0606	Well Abandonment, Grouting, Cement / Bentonite Slurry 90/10 mix by weight, 10" well	Linear Foot	\$ 20.00

### 395 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0607	Well Abandonment, Grouting, Cement / Bentonite Slurry 90/10 mix by weight, 36" well	Linear Foot	\$ 91.00
M0608	Drill Rig Stand-by Charge	Hour	\$ 162.00
M0609	Drill Rig Decontamination	Hour	\$ 129.00
<b>DISPOSAL</b>			
M0610	Drums (used)	Each	\$ 35.00
M0611	Soiled Clothing	Drum	\$ 151.00
M0612	Tank waste - does not include cost of container or analytical fees	Drum	\$ 296.00
M0613	Hazardous Sludges	Drum	\$ 463.00
M0614	Landfill Rubble	Ton	\$ 38.00
M0615	Roll-Off Container Delivery / Pick-up	Each	\$ 150.00
M0616	Roll-Off Container Use Fee (Includes Disposal)	Each	\$ 138.00
<b>ROLLING STOCK</b>			
M0617	Auto	Mile	\$ 0.29
M0618	Pickup Truck	Mile	\$ 0.29
M0619	Van	Mile	\$ 0.29
M0620	Medium Truck	Mile	\$ 0.35
M0621	Dump Truck capacity <= 3 CY	Day	\$ 208.00
M0622	Dump Truck capacity <= 3 CY	Mile	\$ 1.00
M0623	Dump Truck capacity <=5 CY	Day	\$ 252.00
M0624	Dump Truck capacity <=5 CY	Mile	\$ 1.00
M0625	Dump Truck capacity <=10 CY	Day	\$ 357.00
M0626	Dump Truck capacity <=10 CY	Mile	\$ 2.00
M0627	Dump Truck capacity <=15 CY	Day	\$ 423.00
M0628	Dump Truck capacity <=15 CY	Mile	\$ 2.00
M0629	Tanker Trailer capacity <= 5000 gallons	Day	\$ 164.00
M0630	Tanker Trailer capacity <= 5000 gallons	Mile	\$ 1.00
M0631	Tanker Trailer capacity >= 5000 gallons	Day	\$ 185.00
M0632	Tanker Trailer capacity >= 5000 gallons	Mile	\$ 1.00
M0633	Tractor 4 x 2	Day	\$ 342.00
M0634	Tractor 4 x 2	Mile	\$ 1.00
M0635	Tractor 6 x 2	Day	\$ 359.00
M0636	Tractor 6 x 2	Mile	\$ 1.00
M0637	Tractor 6 x 4	Day	\$ 393.00

**395 PROGRAM MATERIAL UCRS**

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0638	Tractor 6 x 4	Mile	\$ 1.00
M0639	Trailer - flatbed - 16'	Day	\$ 102.00
M0640	Trailer - flatbed - 16'	Mile	\$ 0.50
M0641	Trailer - flatbed - 20'	Day	\$ 127.00
M0642	Trailer - flatbed - 20'	Mile	\$ 0.50
M0643	Trailer - flatbed - >20'	Day	\$ 154.00
M0644	Trailer - flatbed - >20'	Mile	\$ 1.00
M0645	Trailer - dump cap. 10 CY	Day	\$ 189.00
M0646	Trailer - dump cap. 10 CY	Mile	\$ 1.00
M0647	Trailer - lowboy 10 ton	Day	\$ 162.00
M0648	Trailer - lowboy 10 ton	Mile	\$ 1.00
M0649	Trailer - lowboy 25 ton	Day	\$ 200.00
M0650	Trailer - lowboy 25 ton	Mile	\$ 1.00
M0651	Vac trailer 5000 gal.	Day	\$ 754.00
M0652	Vac trailer 5000 gal.	Mile	\$ 2.00
M0653	Vac Truck <= 3000 gal.	Day	\$ 726.00
M0654	Vac Truck <= 3000 gal.	Mile	\$ 1.00
M0655	Vac Truck > 3000 gal.	Day	\$ 745.00
M0656	Vac Truck > 3000 gal.	Mile	\$ 2.00
<b>EXCAVATION RATES Rates include Operator and operating costs.</b>			
M0657	Cat 416 Type Backhoe Loader	Day	\$ 467.00
M0658	Cat 416 Type Backhoe Loader	Week	\$ 2,018.00
M0659	Cat 416 Type Backhoe Loader	Month	\$ 7,038.00
M0660	Cat 426 Type Backhoe Loader	Day	\$ 510.00
M0661	Cat 426 Type Backhoe Loader	Week	\$ 2,144.00
M0662	Cat 426 Type Backhoe Loader	Month	\$ 7,580.00
M0663	Cat 428 Type Backhoe Loader	Day	\$ 555.00
M0664	Cat 428 Type Backhoe Loader	Week	\$ 2,241.00
M0665	Cat 428 Type Backhoe Loader	Month	\$ 7,943.00
M0666	Compactor (Sheepsfoot, towed)	Day	\$ 287.00
M0667	Compactor (Sheepsfoot, towed)	Week	\$ 1,030.00
M0668	Compactor (Sheepsfoot, towed)	Month	\$ 3,291.00
M0669	Gradall	Day	\$ 842.00
M0670	Gradall	Week	\$ 3,288.00

### 395 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0671	Gradall	Month	\$ 11,046.00
M0672	Skid Steer Loader Bobcat 543 Type	Day	\$ 413.00
M0673	Skid Steer Loader Bobcat 543 Type	Week	\$ 1,794.00
M0674	Skid Steer Loader Bobcat 543 Type	Month	\$ 6,177.00
M0675	Skid Steer Loader Bobcat 641 Type	Day	\$ 445.00
M0676	Skid Steer Loader Bobcat 641 Type	Week	\$ 1,994.00
M0677	Skid Steer Loader Bobcat 641 Type	Month	\$ 6,657.00
M0678	Tracked Bulldozer Cat D3 Type	Day	\$ 590.00
M0679	Tracked Bulldozer Cat D3 Type	Week	\$ 2,370.00
M0680	Tracked Bulldozer Cat D3 Type	Month	\$ 8,126.00
M0681	Tracked Bulldozer Cat D4 Type	Day	\$ 649.00
M0682	Tracked Bulldozer Cat D4 Type	Week	\$ 2,701.00
M0683	Tracked Bulldozer Cat D4 Type	Month	\$ 9,230.00
M0684	Tracked Bulldozer Cat D5 Type	Day	\$ 735.00
M0685	Tracked Bulldozer Cat D5 Type	Week	\$ 3,060.00
M0686	Tracked Bulldozer Cat D5 Type	Month	\$ 10,596.00
M0687	Tracked Excavator Cat E70 Type	Day	\$ 792.00
M0688	Tracked Excavator Cat E70 Type	Week	\$ 3,074.00
M0689	Tracked Excavator Cat E70 Type	Month	\$ 9,792.00
M0690	Tracked Excavator Cat 205 Type	Day	\$ 890.00
M0691	Tracked Excavator Cat 205 Type	Week	\$ 3,350.00
M0692	Tracked Excavator Cat 205 Type	Month	\$ 11,546.00
M0693	Tracked Excavator Cat 215 Type	Day	\$ 977.00
M0694	Tracked Excavator Cat 215 Type	Week	\$ 3,703.00
M0695	Tracked Excavator Cat 215 Type	Month	\$ 12,611.00
M0696	Tracked Excavator Cat 225 Type	Day	\$ 1,140.00
M0697	Tracked Excavator Cat 225 Type	Week	\$ 4,408.00
M0698	Tracked Excavator Cat 225 Type	Month	\$ 14,225.00
M0699	Tracked Loader Cat 931 Type	Day	\$ 734.00
M0700	Tracked Loader Cat 931 Type	Week	\$ 2,806.00
M0701	Tracked Loader Cat 931 Type	Month	\$ 9,103.00
M0702	Tracked Loader Cat 943 Type	Day	\$ 796.00
M0703	Tracked Loader Cat 943 Type	Week	\$ 3,137.00
M0704	Tracked Loader Cat 943 Type	Month	\$ 11,506.00
M0705	Tracked Loader Cat 953 Type	Day	\$ 860.00

### 395 PROGRAM MATERIAL UCRs

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0706	Tracked Loader Cat 953 Type	Week	\$ 3,314.00
M0707	Tracked Loader Cat 953 Type	Month	\$ 11,700.00
M0708	Tracked Loader Cat 963 Type	Day	\$ 1,000.00
M0709	Tracked Loader Cat 963 Type	Week	\$ 3,505.00
M0710	Tracked Loader Cat 963 Type	Month	\$ 12,663.00
M0711	Trencher - Chain Boom Type 15 hp - walking	Day	\$ 340.00
M0712	Trencher - Chain Boom Type 15 hp - walking	Week	\$ 1,667.00
M0713	Trencher - Chain Boom Type 15 hp - walking	Month	\$ 6,145.00
M0714	Trencher - Chain Boom Type 20 hp - walking	Day	\$ 407.00
M0715	Trencher - Chain Boom Type 20 hp - walking	Week	\$ 1,971.00
M0716	Trencher - Chain Boom Type 20 hp - walking	Month	\$ 7,139.00
M0717	Wheeled Loader Cat 910 Type	Day	\$ 641.00
M0718	Wheeled Loader Cat 910 Type	Week	\$ 2,463.00
M0719	Wheeled Loader Cat 910 Type	Month	\$ 8,758.00
M0720	Wheeled Loader Cat 916 Type	Day	\$ 702.00
M0721	Wheeled Loader Cat 916 Type	Week	\$ 2,700.00
M0722	Wheeled Loader Cat 916 Type	Month	\$ 9,394.00
M0723	Wheeled Loader Cat 936 Type	Day	\$ 841.00
M0724	Wheeled Loader Cat 936 Type	Week	\$ 3,241.00
M0725	Wheeled Loader Cat 936 Type	Month	\$ 10,834.00
M0726	Wheeled Loader Cat 950 Type	Day	\$ 952.00
M0727	Wheeled Loader Cat 950 Type	Week	\$ 3,361.00
M0728	Wheeled Loader Cat 950 Type	Month	\$ 11,904.00

## **SECTION 3**

### **1289 UCR Schedule**

## 1289 PROGRAM TASK UCRS

Code	Description	Unit Type	Unit Rate
T001	Remove Product from Tank for Release Abatement	Hour	\$ 93.12
T002	Monitor for Vapor Hazards	Hour	\$ 60.63
T003	Emergency Mitigation of Vapor Hazards - Set-Up	Blower	\$ 194.00
T004	Emergency Mitigation of Vapor Hazards - Operation and Maintenance	Day per Blower	\$ 118.00
T005	Free Product (Liquid Phase) Recovery from a Pit	Hour	\$ 93.12
T006	Free Product (Liquid Phase) Recovery from a Monitoring Well - Manual	Hour	\$ 50.69
T007	Install Boom in Surface Waters	Foot of Boom	\$ 25.25
T008	Bottled Water with Bottled Water Dispenser	Month	\$ 93.50
T009	Soil Loading	Ton	\$ 1.04
T010	Soil Hauling > or = 50 miles	Ton/Mile	\$ 0.10
T011	Soil Hauling <50 miles	Ton/Mile	\$ 0.13
T012	Soil Treatment at an Incineration or Bioremediation Facility	Ton	\$ 47.00
T013	Soil Disposal at a Landfill	Ton	\$ 36.00
T014	Site Reconnaissance/Initial Site Map	Site	\$ 432.00
T015	Underground Storage Tank (UST) Tightness Testing for Leak Confirmation	Tank	\$ 400.00
T016	UST Line Tightness Testing for Leak Confirmation	Line	\$ 250.00
T017	Free Product/Contaminated Water Disposal	Gallon	\$ 0.52
T018	Boom Inspection	Hour	\$ 81.50
T019	Boom Replacement	Foot of New Boom	\$ 12.30
T020	Health & Safety Plan	Plan	\$ 275.00
T021	Site History Research	Site	\$ 963.60
T022	Subsurface Line Location Prior to Drilling and Excavation	Survey	\$ 535.00
T023	Drill Rig Mob/Demob	Mob/Demob (Round Trip)	\$ 450.00
T024	Soil Boring with Drill Rig - 5 foot Sampling Interval	Linear Foot	\$ 11.11
T025	Monitoring Well Installation - Two-Inch Diameter	Linear Foot	\$ 41.00
T026	Monitoring Well Installation - Four-Inch Diameter	Linear Foot	\$ 53.00
T027	Recovery Well Installation - Six-Inch Diameter	Linear Foot	\$ 64.00
T028	Logging Soil Borings	Hour	\$ 56.63
T029	Disposal of Well Cuttings/Soil Borings	Drummed Ton	\$ 175.00
T030	Soil Sampling	Sample	\$ 44.53
T031	Monitoring Well Sampling - Two-Inch Diameter	Well	\$ 108.52
T032	Monitoring Well Sampling - Four-Inch Diameter	Well	\$ 108.52
T033	Survey - Monitoring/Recovery Wells	Hour	\$ 70.00
T034	Survey - Property	Hour	\$ 120.00
T035	Site Access Agreement	Agreement	\$ 326.00

## 1289 PROGRAM TASK UCRS

Code	Description	Unit Type	Unit Rate
T036	Heavy Equipment Mob/Demob	Round Trip per Piece of Equipment	\$ 350.00
T037	Soil Excavation for Interceptor Trench	Cubic Yard	\$ 2.30
T038	Debris Disposal	Ton	\$ 33.00
T039	Alternate Water Supply (AWS) Work Plan	Plan	\$ 1,610.00
T040	General Site Management	Submitted Costs	5%
T041	Well Rehabilitation	Hour	\$ 124.00
T042	Backfilling	Cubic Yard	\$ 23.00
T043	Initial Abatement Report Preparation	Report	\$ 357.00
T044	Periodic Reporting as Required by the DEQ Regional Office	Report	\$ 339.00
T045	Free Product (Liquid Phase) Recovery Report	Report	\$ 249.00
T046	Soil Excavation for Test Pit	Cubic Yard	\$ 6.21
T047	Reseeding < 1 Acre	Square Foot	\$ 0.11
T048	Reseeding > or = 1 Acre	Square Foot	\$ 0.04
T049	Receptor Survey	Survey	\$ 500.00
T050	Soil Gas Survey	Sample Point	\$ 50.00
T051	Soil Probe Survey	Day	\$ 2,500.00
T052	Ground Penetrating Radar (GPR)	Hour	\$ 231.13
T053	Slug Test	Hour	\$ 52.75
T054	12 Hour Pump Test	Hour	\$ 128.00
T055	24 Hour Pump Test	Hour	\$ 128.00
T056	48 Hour Pump Test	Hour	\$ 128.00
T057	72 Hour Pump Test	Hour	\$ 128.00
T058	Terrain Conductivity	Linear Foot	\$ 1.85
T059	Site Characterization Report	Report	\$ 3,461.00
T059A	Alternate Water Supply Add-On	Site	\$ 719.40
T059B	Impacted Surface Water Add-On	Site	\$ 719.40
T059C	Additional Data Point Add-On	Point	\$ 100.76
T059D	Free Product (Liquid Phase) Add-On	Site	\$ 531.30
T060	Site Characterization Report Addendum	Report	\$ 2,868.80
T061	Soil Excavation	Cubic Yard	\$ 2.30
T062	Corrective Action Plan Preparation	Report	\$ 5,647.00
T063	Corrective Action Plan Addendum Preparation	Report	\$ 4,081.00
T064	Reimbursement Claim Preparation	Phase or Reimbursement Period	\$ 500.00
T999	Tank Removal for Leaking USTs - \$1,000.00 plus per gallon rate	Gallon	\$ 0.37

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## 1289 PROGRAM TASK DESCRIPTIONS

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<u>Code</u>	<u>Task</u>
<b>T001</b>	<b>Remove Product from Tank for Release Abatement:</b> This SOW (Scope of Work) consists of removing the petroleum product from a Storage Tank via equipment such as a Vacuum Truck or a Pump Truck. All labor and expenses for operating the Vacuum Truck are included. <b>Cost is \$93.12 per Hour.</b>
<b>T002</b>	<b>Monitor for Vapor Hazards:</b> This SOW consists of personnel time and equipment to monitor with appropriate field measuring devices (explosimeter, PID/HNu, FID/OVA,) for vapors or free product (liquid phase) that has migrated from the point of release and entered into subsurface structures such as sewers, basements, above-ground enclosed structures, etc. <b>Cost is \$60.63 per Hour.</b>
<b>T003</b>	<b>Emergency Mitigation of Vapor Hazards - Set-Up:</b> This SOW consists of personnel time to set up blower(s) for the emergency mitigation of vapor hazards. <b>Cost is \$194.00 per Blower.</b>
<b>T004</b>	<b>Emergency Mitigation of Vapor Hazards - Operation and Maintenance:</b> This SOW consists of personnel time and equipment for venting vapor hazards to reduce the immediate danger without creating a new or different hazard. This may be accomplished through the use of blowers or fans. <b>Cost is \$118.00 per Day per Blower.</b>
<b>T005</b>	<b>Free Product (Liquid Phase) Recovery from a Pit:</b> This SOW consists of pumping free product from a pit with a Vacuum Truck. All expenses for operating the Vac Truck are included. This SOW also includes recording and tabulating the total amount of free product removed. <b>Cost is \$93.12 per Hour.</b>
<b>T006</b>	<b>Free Product (Liquid Phase) Recovery from a Monitoring Well - Manual:</b> This SOW consists of hand-bailing free product from a monitoring well. This SOW includes personnel, bailer, sampling gloves, oil-water interface probe, and a 55-gallon steel drum. This also includes recording and tabulating the total amount of free product removed. <b>Cost is \$50.69 per Hour.</b>
<b>T007</b>	<b>Install Boom in Surface Waters:</b> This SOW consists of all personnel time and equipment to install sorbent materials across portions of a stream or other water body impacted by a petroleum product. Included as part of this SOW are sorbent booms and pads, nylon rope, waders, Tyvek suits, gloves, and a drum. This SOW also includes downstream inspection of possible health risks or environmental impacts from the petroleum release. <b>Cost is \$25.25 per Foot of Boom.</b>
<b>T008</b>	<b>Bottled Water with Bottled Water Dispenser:</b> This SOW consists of the costs associated with the utilization of bottled water and a hot/cold bottled water dispenser when used as an alternate water supply. This SOW includes delivery and pickup and any other costs incurred with the water bottles and dispenser unit. <b>Cost is \$93.50 per Month.</b>
<b>T009</b>	<b>Soil Loading:</b> This SOW consists of Operator and equipment time to load contaminated soil into a dump truck from a stock pile with a backhoe. <b>Cost is \$1.04 per Ton.</b>
<b>T010</b>	<b>Soil Hauling &gt; or = 50 miles:</b> This SOW consists of driver and truck time to haul debris or contaminated soil from the site to the place of disposal. No round trips will be reimbursed. <b>Cost is \$0.10 per Ton/Mile.</b>

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## 1289 PROGRAM TASK DESCRIPTIONS

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<u>Code</u>	<u>Task</u>
T011	<b>Soil Hauling &lt;50 miles:</b> This SOW consists of driver and truck time to haul debris or contaminated soil from the site to the place of disposal. This SOW is for a one-way haul. No round trips will be reimbursed. <b>Cost is \$0.13 per Ton/Mile.</b>
T012	<b>Soil Treatment at an Incineration or Bioremediation Facility:</b> This SOW consists of either thermal treatment or bioremediation of petroleum-contaminated soil not including pre-treatment laboratory analyses. The required pre-treatment analyses may be billed separately according to the Material UCR Rate Table. <b>Cost is \$47.00 per Ton.</b>
T013	<b>Soil Disposal at a Landfill:</b> This SOW consists of landfilling petroleum-contaminated soil not including pre-disposal laboratory analyses. The required pre-disposal analyses may be billed separately according to the Material UCR Rate Table. <b>Cost is \$36.00 per Ton.</b>
T014	<b>Site Reconnaissance/Initial Site Map:</b> This SOW consists of personnel time to conduct a site inspection and generate an initial map with features of the immediate site, adjacent parcels and nearby properties. The site map must note the location of tanks, dispensers, monitoring wells, and other site features. Location of potential migration pathways such as utility lines, storm and sanitary sewers, catch basins and drainage ditches must also be noted. The map should suffice for the development of a Health and Safety Plan and for the location of assessment and remediation activities. Only one Site Reconnaissance/Initial Site map will be reimbursed per site. <b>Cost is \$432.00 per Site.</b>
T015	<b>Underground Storage Tank (UST) Tightness Testing for Leak Confirmation:</b> This SOW consists of testing UST tightness using a method meeting requirements outlined in the UST technical regulations. The number of USTs to be tested must be specified. The complete UST inventory and layout (i.e., USTs, product lines, pump islands, vent lines) must be provided. The purchase of product for testing is a non-reimbursable expense. This SOW also includes reporting any failed tightness tests to the appropriate DEQ Regional Office within 24 hours. <b>Cost is \$400.00 per Tank.</b>
T016	<b>UST Line Tightness Testing for Leak Confirmation:</b> This SOW consists of testing an UST line for tightness using a method meeting requirements outlined in the UST technical regulations and includes personnel and testing equipment. This SOW must specify the number of UST product lines to be tested. The complete UST inventory and layout (i.e., USTs, product lines, pump islands, vent lines) must be provided. This SOW also includes reporting any failed tightness tests to the appropriate DEQ Regional Office within 24 hours. <b>Cost is \$250.00 per Line.</b>
T017	<b>Free Product/Contaminated Water Disposal:</b> This SOW consists of disposal of contaminated petroleum product removed from a monitoring well, pit, or leaking UST. Contaminated product contains water or other constituents that render it unusable. This cost is for disposal only. <b>Cost is \$0.52 per Gallon.</b>
T018	<b>Boom Inspection:</b> This SOW consists of personnel time and equipment (PPE) to inspect booms placed in surface waters for petroleum containment. This SOW also includes downstream inspection of potential health risks or environmental impacts from the petroleum release. <b>Cost is \$81.50 per Hour.</b>
T019	<b>Boom Replacement:</b> This SOW consists of personnel time and equipment (booms, pads, rope, PPE) to replace and repair booms placed in surface waters for petroleum containment. <b>Cost is \$12.30 per Foot of New Boom.</b>

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## 1289 PROGRAM TASK DESCRIPTIONS

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<u>Code</u>	<u>Task</u>
T020	<b>Health &amp; Safety Plan:</b> This SOW consists of the personnel time for preparation of the Health & Safety Plan for all planned activities on site. This includes time for review, clerical support, and all other direct costs such as copying and binding. The plan is limited to petroleum hydrocarbon contamination. <b>Cost is \$275.00 per Plan.</b>
T021	<b>Site History Research:</b> This SOW consists of the personnel time required to research activities at or near the site, with the objective of identifying items such as historical land uses, tank locations, tank histories, and on-site and off-site petroleum releases. This SOW also includes photo re-prints, other materials, and search services. <b>Cost is \$963.60 per Site.</b>
T022	<b>Subsurface Line Location Prior to Drilling and Excavation:</b> This SOW consists of personnel time and equipment for two people to review plans and delineate all product and utility lines, including electric, gas, water, and sewer. Also included is personnel time to generate a final site map (building upon the initial site map) containing all pertinent information and notes to support subsequent investigative and remedial activities. <b>Cost is \$535.00 per Survey.</b>
T023	<b>Drill Rig Mob/Demob:</b> This SOW consists of transportation of a drill rig to and from the site by the drillers. <b>Cost is \$450.00 per Mob/Demob (Round Trip).</b>
T024	<b>Soil Boring with Drill Rig - 5 foot Sampling Interval:</b> This SOW includes one drill rig and a crew to advance soil borings using hollow-stem augers, and sampling every five feet with a two-inch split spoon. Also included is all necessary field equipment to complete the borings (e.g., FID, decontamination fluids, expendables), and time to decontaminate equipment between borings. This SOW does not include analytical or travel costs. This task is only for dedicated soil borings and should not be used when a soil boring is converted to a monitoring well. Instead use the appropriate task T025 through T027. <b>Cost is \$11.11 per Linear Foot.</b>
T025	<b>Monitoring Well Installation - Two-Inch Diameter:</b> This SOW includes the installation of two-inch monitoring wells. This SOW includes drilling with a hollow stem auger and soil sampling using two-inch diameter split spoons every five feet, all well construction and completion materials, equipment decontamination, and personnel time and equipment to develop the well using a diaphragm pump, air compressor and hoses. <b>Cost is \$41.00 per Linear Foot.</b>
T026	<b>Monitoring Well Installation - Four-Inch Diameter:</b> This SOW includes the installation of four-inch monitoring wells. This SOW includes drilling with a hollow stem auger and soil sampling using two-inch diameter split spoons every five feet, all well construction and completion materials, equipment decontamination, and personnel time and equipment to develop the well using a diaphragm pump, air compressor and hoses. <b>Cost is \$53.00 per Linear Foot.</b>
T027	<b>Recovery Well Installation - Six-Inch Diameter:</b> This SOW includes the installation of six-inch recovery wells. This SOW includes drilling with a hollow stem auger and soil sampling using two-inch diameter split spoons every five feet, all well construction and completion materials, equipment decontamination, and personnel time and equipment to develop the well using a diaphragm pump, air compressor and hoses. <b>Cost is \$64.00 per Linear Foot.</b>
T028	<b>Logging Soil Borings:</b> This SOW includes professional time and a PID to screen samples and log borings. <b>Cost is \$56.63 per Hour.</b>

## 1289 PROGRAM TASK DESCRIPTIONS

<u>Code</u>	<u>Task</u>
T029	<b>Disposal of Well Cuttings/Soil Borings:</b> This SOW includes the disposal of contaminated soil from well cuttings and soil borings. This SOW also includes analyses for contaminated soil disposal, soil disposal containers, and transportation costs. If the soil is not contaminated, the soil should remain on site (this is not a reimbursable cost). <b>Cost is \$175.00 per Drummed Ton.</b>
T030	<b>Soil Sampling:</b> This SOW consists of all necessary soil sampling. This may include composite sampling, required sampling for treatment/disposal certification, and hand auguring. Also included are a PID, a hand auger, buckets, decontamination fluids, a brush, soap, gloves, and sample bags. This SOW does not include analytical costs. <b>Cost is \$44.53 per Sample.</b>
T031	<b>Monitoring Well Sampling - Two-Inch Diameter:</b> This SOW consists of all personnel time and equipment to sample a two-inch monitoring well. personnel time includes preparation, well purging, sample packing, necessary decontamination, and travel time between wells on site. Equipment includes a bailer, nylon rope, an oil/water interface probe, a pH meter, a conductivity meter, a thermometer, a cooler, ice, a brush, soap, and decontamination fluids. <b>Cost is \$108.52 per Well.</b>
T032	<b>Monitoring Well Sampling - Four-Inch Diameter:</b> This SOW consists of all personnel time and equipment to sample a four-inch monitoring well. personnel time includes preparation, well purging, sample packing, necessary decontamination, and travel time between wells on site. Equipment includes a bailer, nylon rope, an oil/water interface probe, a pH meter, a conductivity meter, a thermometer, a cooler, ice, a brush, soap, and decontamination fluids. <b>Cost is \$108.52 per Well.</b>
T033	<b>Survey - Monitoring/Recovery Wells:</b> This SOW consists of all personnel and equipment to survey monitoring and recovery wells for location and elevation. This includes set-up time, a two-person professional survey crew, and equipment rental. <b>Cost is \$70.00 per Hour.</b>
T034	<b>Survey - Property:</b> This SOW consists of all personnel and equipment to survey property. This includes set-up time, a licensed survey crew, and equipment. <b>Cost is \$120.00 per Hour.</b>
T035	<b>Site Access Agreement:</b> This SOW consists of the development and presentation of a Site Access Agreement to a property owner/lessor. Two attempts at this presentation must be made. The Regional Office must be notified upon failure to obtain a signed Access Agreement. <b>Cost is \$326.00 per Agreement.</b>
T036	<b>Heavy Equipment Mob/Demob:</b> This SOW consists of transportation of heavy equipment, excluding drill rigs. <b>Cost is \$350.00 per Round Trip per Piece of Equipment.</b>
T037	<b>Soil Excavation for Interceptor Trench:</b> This SOW consists of soil excavation with a backhoe for construction of an interceptor trench. <b>Cost is \$2.30 per Cubic Yard.</b>
T038	<b>Debris Disposal:</b> This SOW consists of the disposal in a landfill of debris generated as a result of abating the petroleum release. Debris includes asphalt, concrete, and other non-soil materials. <b>Cost is \$33.00 per Ton.</b>
T039	<b>Alternate Water Supply (AWS) Work Plan:</b> This SOW consists of all activities associated with preparation of the Alternate Water Supply Work Plan. This SOW includes senior level review, CAD operation, clerical support, and all other direct costs, such as copying and binding. <b>Cost is \$1610.00 per Plan.</b>

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## 1289 PROGRAM TASK DESCRIPTIONS

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<u>Code</u>	<u>Task</u>
T040	<b>General Site Management:</b> This SOW consists of personnel time associated with the management of activities at the site. Site management includes planning, contractor coordination, scheduling, etc. <b>Cost is 5% of Submitted Costs per Claim.</b>
T041	<b>Well Rehabilitation:</b> This SOW consists of personnel time and equipment necessary to rehabilitate a monitoring well or recovery well (e.g., surge blocking). This activity should only be performed when flow between the formation and the monitoring well becomes inhibited. <b>Cost is \$124.00 per Hour.</b>
T042	<b>Backfilling:</b> This SOW consists of backfilling an excavation with appropriate material. The volume of backfill may not exceed the volume of excavated material eligible for reimbursement. This SOW includes material, compaction, labor, and hauling within 25 miles of the site. <b>Cost is \$23.00 per Cubic Yard.</b>
T043	<b>Initial Abatement Report Preparation:</b> This SOW consists of all personnel time for preparation of the Initial Abatement Report. This includes time for review, drafting figures, and clerical support. This SOW also includes all other direct costs, such as copying and binding. <b>Cost is \$357.00 per Report.</b>
T044	<b>Periodic Reporting as Required by the DEQ Regional Office:</b> This SOW consists of the preparation of a periodic report as requested by the DEQ Regional Office. This letter report will include recent activities at the site and will summarize past reports. <b>Cost is \$339.00 per Report.</b>
T045	<b>Free Product (Liquid Phase) Recovery Report:</b> This SOW consists of the preparation and submittal of a Free Product Recovery Report. This letter report will include recent activities at the site and will summarize past reports to illustrate increases, decreases, or static levels of the free product. <b>Cost is \$249.00 per Report.</b>
T046	<b>Soil Excavation for Test Pit:</b> This SOW consists of personnel time and equipment to excavate soils with a backhoe to investigate the extent of contamination. This includes an equipment operator, a geologist, field screening equipment, and the time to return excavated material to the pit. <b>Cost is \$6.21 per Cubic Yard.</b>
T047	<b>Reseeding &lt; 1 Acre:</b> This SOW consists of the personnel and materials needed to re-seed with grass any areas totaling less than one acre disturbed by equipment. This includes personnel time to seed with a push spreader and mulch with hay by hand. <b>Cost is \$0.11 per Square Foot.</b>
T048	<b>Reseeding &gt; or = 1 Acre:</b> This SOW consists of the personnel and materials needed to re-seed with grass any areas totaling greater than or equal to one acre disturbed by equipment. This includes personnel time to seed with a tractor spreader and mulch with hay with a small power mulcher. <b>Cost is \$0.04 per Square Foot.</b>

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## 1289 PROGRAM TASK DESCRIPTIONS

<u>Code</u>	<u>Task</u>
T049	<b>Receptor Survey:</b> This SOW consists of the identification of public and private water supply sources (i.e., wells and springs), and surface water within a 1/4 mile radius of the site. Information should be obtained using a local water resource agency and a door-to-door questionnaire. The information should include well ownership, well location, well completion data, well use, and depth to water. This task also includes follow-up phone calls to property owners who could not be reached during regular business hours. This includes time and equipment to sample water supplies and surface water within the survey area. It also includes personnel time, gloves, cooler, ice, and other direct costs, plus time to summarize the data. <b>Cost is \$500.00 per Survey.</b>
T050	<b>Soil Gas Survey:</b> This SOW consists of personnel time (two-person crew), equipment, materials and services necessary for conducting a soil gas survey. This survey will delineate concentrations of volatile organic compounds in soil gas throughout the site. This SOW includes on-site analysis of soil gas samples via a Laboratory-grade gas chromatograph, and equipment preparation and decontamination. Other equipment includes probe extensions, a probe tip, probe screens, a rotary hammer drill, a generator, buckets, vapor tubing, a hand pump, and tedlar sample collection bags. Only successful sample points (i.e., point at which a gas sample is collected and successfully analyzed) are eligible for reimbursement. <b>Cost is \$50.00 per Sample Point.</b>
T051	<b>Soil Probe Survey:</b> This SOW consists of personnel time (two-person crew), equipment, materials and services necessary for conducting a soil probe survey using direct-push technology such as Hydropunch or Geoprobe. This survey will entail the insertion of probes throughout the site, and the collection and analysis of soil, soil vapor, and/or groundwater samples. This SOW includes on-site soil gas sample analysis and screening of soil and groundwater samples via a Laboratory grade gas chromatograph. Equipment preparation and decontamination are included in this task. Other equipment includes a direct-push rig, probe extensions, a probe tip, probe screens, buckets, a hand pump, and tedlar sample collection bags. Off-site laboratory analysis is not included in this task; it may be billed as time and materials. <b>Cost is \$2500.00 per Day.</b>
T052	<b>Ground Penetrating Radar (GPR):</b> This SOW consists of all personnel time and equipment needed to perform a GPR survey and produce a report describing the results (to be included in the SCR or SCR Addendum). This includes time for report review, clerical support, and all other direct costs such as copying and binding. <b>Cost is \$231.13 per Hour.</b>
T053	<b>Slug Test:</b> This SOW includes field personnel and equipment to conduct a slug test to determine aquifer parameters. Equipment includes a bailer, rope, and a data logger with pressure transducer. <b>Cost is \$52.75 per Hour.</b>
T054	<b>12 Hour Pump Test:</b> This SOW consists of all field personnel and equipment to set up and perform a 12 hour pump test to determine aquifer parameters. Equipment includes a submersible pump, two interface probes, a data logger with pressure transducers, a generator, a portable tank, and decontamination expendables. Time for data analysis and results write-up is not included in this SOW (incorporate these activities in the SCR or SCR Addendum SOW). Disposal charges for contaminated water should be billed separately. <b>Cost is \$128.00 per Hour.</b>

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## 1289 PROGRAM TASK DESCRIPTIONS

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<u>Code</u>	<u>Task</u>
<b>T055</b>	<b>24 Hour Pump Test:</b> This SOW consists of all field personnel and equipment to set up and perform a 24 hour pump test to determine aquifer parameters. Equipment includes a submersible pump, two interface probes, a data logger with pressure transducers, a generator, a portable tank, and decontamination expendables. Time for data analysis and results write-up is not included in this SOW (incorporate these activities in the SCR or SCR Addendum SOW). Disposal charges for contaminated water should be billed separately. <b>Cost is \$128.00 per Hour.</b>
<b>T056</b>	<b>48 Hour Pump Test:</b> This SOW consists of all field personnel and equipment to set up and perform a 48 hour pump test to determine aquifer parameters. Equipment includes a submersible pump, two interface probes, a data logger with pressure transducers, a generator, a portable tank, and decontamination expendables. Time for data analysis and results write-up is not included in this SOW (incorporate these activities in the SCR or SCR Addendum SOW). Disposal charges for contaminated water should be billed separately. <b>Cost is \$128.00 per Hour.</b>
<b>T057</b>	<b>72 Hour Pump Test:</b> This SOW consists of all field personnel and equipment to set up and perform a 72 hour pump test to determine aquifer parameters. Equipment includes a submersible pump, two interface probes, a data logger with pressure transducers, a generator, a portable tank, and decontamination expendables. Time for data analysis and results write-up is not included in this SOW (incorporate these activities in the SCR or SCR Addendum SOW). Disposal charges for contaminated water should be billed separately. <b>Cost is \$128.00 per Hour.</b>
<b>T058</b>	<b>Terrain Conductivity:</b> This SOW consists of all necessary personnel and equipment needed to perform a terrain conductivity survey and produce a report describing the results (to be included in the SCR or SCR Addendum). This includes time for review, clerical support, and all other direct costs such as copying and binding. <b>Cost is \$1.85 per Linear Foot.</b>
<b>T059</b>	<b>Site Characterization Report:</b> This SOW consists of all personnel time for the preparation of a site characterization report. This includes time for data analysis and summary, risk and remediation assessments, drafting of figures, report review, and clerical support. This SOW also includes all other direct costs, such as copying and binding. <b>Cost is \$3,461.00 per Report.</b>
<b>T059A</b>	<b>Alternate Water Supply Add-On:</b> If an AWS has been provided for the site, this SOW may be submitted along with task T059 (Site Characterization Report). This task provides the additional time necessary to prepare the Site Characterization Report. This task may only be claimed once per site. <b>Cost is \$719.40 per Site.</b>
<b>T059B</b>	<b>Impacted Surface Water Add-On:</b> If surface waters have been impacted by the release, this SOW may be submitted along with task T059 (Site Characterization Report). This task provides additional time necessary to prepare the Site Characterization Report. This task may only be claimed once per site. <b>Cost is \$719.40 per Site.</b>

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## 1289 PROGRAM TASK DESCRIPTIONS

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<u>Code</u>	<u>Task</u>
<b>T059C</b>	<b>Additional Data Point Add-On:</b> This task is used to accommodate additional report preparation costs due to large amounts of data. T059 assumes a maximum of 15 data points were analyzed and evaluated for report preparation. This SOW allows additional costs depending on the number of data points in excess of 15. A data point is any point (well, piezometer, direct push technology) from which a soil or water sample is collected. Installation of a monitoring well with split-spoon sampling or completion of a soil boring as a monitoring well counts as two data points. Every 10 soil gas survey samples count as one data point, rounding up to the next highest data point (i.e. 22 soil gas survey samples equal 3 data points). Five is the maximum number of data points which may be awarded for a soil gas survey. <b>Cost is \$100.76 per Point.</b>
<b>T059D</b>	<b>Free Product (Liquid Phase) Add-On:</b> If recoverable free product has been encountered in a monitoring well at the site, this SOW may be submitted along with task T059 (Site Characterization Report). This task provides additional time necessary to prepare the Site Characterization Report. This task may only be claimed once per site. <b>Cost is \$531.30 per Site.</b>
<b>T060</b>	<b>Site Characterization Report Addendum:</b> This SOW consists of all personnel time to prepare a site characterization report addendum. This addendum is only prepared to address deficiencies in the site specific site characterization report identified by the Regional Office. This includes time for data analysis and summary, risk and remediation assessments, drafting of figures, report review, and clerical support. This SOW also includes all other direct costs, such as copying and binding. Only 1 SCR Addendum will be reimbursed per occurrence. <b>Cost is \$2,868.00 per Report.</b>
<b>T061</b>	<b>Soil Excavation:</b> This SOW consists of excavating soils with a crawler-mounted hydraulic backhoe with a one and one-half cubic yard bucket and a two-man crew. This activity does not include mobilization of equipment to the site. <b>Cost is \$2.30 per Cubic Yard.</b>
<b>T062</b>	<b>Corrective Action Plan Preparation:</b> This SOW consists of all personnel time for the preparation of a corrective action plan. This includes time for system design, professional review, drafting figures, and clerical support. This SOW also includes all other direct costs, such as copying, binding, and public notification. This SOW does not include costs associated with computer modeling, remediation system optimization, or public hearings. <b>Cost is \$5,647.00 per Report.</b>
<b>T063</b>	<b>Corrective Action Plan Addendum Preparation:</b> This SOW consists of all personnel time for the preparation of a corrective action plan addendum. This addendum is only prepared to address deficiencies in the corrective action plan identified by the Regional Office. This includes time for system design, professional review, drafting figures, and clerical support. This SOW also includes all other direct costs, such as copying, binding. This SOW does not include costs associated with computer modeling or remediation system optimization. Only 1 CAP Addendum will be reimbursed per occurrence. <b>Cost is \$4,081.00 per Report.</b>
<b>T064</b>	<b>Reimbursement Claim Preparation:</b> This SOW consists of all personnel time for the preparation of a reimbursement claim. <b>Cost is \$500.00 per Phase or Reimbursement Period.</b>

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## 1289 PROGRAM TASK DESCRIPTIONS

<u>Code</u>	<u>Task</u>
<b>T999</b>	<b>Tank Removal for Leaking USTs:</b> This SOW includes the personnel time and equipment to remove and dispose of a <b>confirmed</b> leaking underground storage tank. Confirmation that the tank was leaking must come from the local fire Marshall or building inspector that was present during tank removal, or from a consultant that generated a Tank Closure Report at the time of tank removal. This SOW also includes the cost to purge the tank of its contents (fuel, water, or sludge) prior to removing the tank from the ground; however, it does not include sludge/product disposal, cost of the permit to remove the tank, Mob/Demob of equipment, or professional labor oversight. Identify on the AAF, both the total number of leaking tanks and the total gallons for those leaking tanks. <b>Cost is \$1,000.00 plus \$0.37 per gallon per leaking tank.</b>

## 1289 PROGRAM MATERIAL UCRS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
<b>PROFESSIONAL/TECHNICAL STAFF</b>			
M0001	Principal	Hour	\$ 105.00
M0002	Senior Professional	Hour	\$ 82.00
M0003	Project Manager	Hour	\$ 70.00
M0004	Mid-Level Professional	Hour	\$ 57.00
M0005	Junior Level Professional	Hour	\$ 46.00
M0007	Technician	Hour	\$ 40.00
M0009	Clerical	Hour	\$ 30.00
M0010	CAD Operator	Hour	\$ 45.00
M0011	Surveyor Crew Chief	Hour	\$ 35.00
M0012	Surveyor Rod Man	Hour	\$ 30.00
M0013	Draftsman	Hour	\$ 32.00
M0014	Supervisor/Foreman	Hour	\$ 40.00
<b>TRADES - Trades will be paid at 1.5 times hourly rate for overtime</b>			
M0015	Electrician	Hour	\$ 40.00
M0016	Plumber	Hour	\$ 33.00
M0017	Welder	Hour	\$ 37.00
M0018	Laborer	Hour	\$ 29.00
M0019	Utility Line Location - 1 person crew	Hour	\$ 65.00
M0020	Utility Line Location - 2 person crew	Hour	\$ 100.00
<b>EXPENDABLE EQUIPMENT</b>			
M0021	Acetone	Gallon	\$ 29.00
M0022	Alconox	Gallon	\$ 15.00
M0023	Bailer, Disposable	Each	\$ 10.00
M0024	Brushes	Each	\$ 4.75
M0025	Bucket, Plastic	Each	\$ 5.00
M0026	Distilled Water	Gallon	\$ 2.25
M0027	Draeger Tubes	Each	\$ 6.00
M0028	Drums, 55 gal. Poly	Each	\$ 49.00
M0029	Drums, 55 gal. Steel	Each	\$ 41.00
M0030	Drums, 55 gal. Fiberboard	Each	\$ 23.00
M0031	Drums, 30 gal. Fiber DOT	Each	\$ 22.00
M0032	Face shield	Each	\$ 9.00

## 1289 PROGRAM TASK DESCRIPTIONS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0033	Fertilizer (10-10-10)	50 lb.	\$ 11.00
M0034	Field books	Each	\$ 8.00
M0035	Flashlight	Each	\$ 8.00
M0036	Garbage bags	100 bags	\$ 19.00
M0037	Gloves - Acid	Pair	\$ 9.00
M0038	Gloves - Nitril	Pair	\$ 6.00
M0039	Gloves - PVC	Pair	\$ 6.00
M0040	Gloves - Latex Sampling	Pair	\$ 1.00
M0041	Hay Bale with rebar	Each	\$ 5.00
M0042	Hearing protection	Pair	\$ 0.75
M0043	Hydrochloric. Acid	Gallon	\$ 36.00
M0044	Hydrogen Peroxide	Gallon	\$ 47.00
M0045	Ice	20 lb. Bag	\$ 3.00
M0046	Lumber 2 x 4" x 12'	Each	\$ 5.25
M0047	Lumber 4" x 4" x 12'	Each	\$ 10.50
M0048	Methanol	Gallon	\$ 35.00
M0049	Nitric Acid	Gallon	\$ 44.00
M0050	Nitrogen	Cylinder	\$ 39.00
M0051	Over Pack Drums, 85 gal. Poly	Each	\$ 185.00
M0052	Over Pack Drums, 85 gal. Steel	Each	\$ 135.00
M0053	Pad Locks	Each	\$ 7.00
M0054	Photographic Film (35 mm/24 exp)	Roll	\$ 5.00
M0055	Photographic Film (35 mm/36 exp)	Roll	\$ 7.00
M0056	Plastic Sample Bags	Each	\$ 0.50
M0057	Plywood (4 ft x 8 ft x 0.5 in)	Each	\$ 18.00
M0058	Poly Film (100' x 20') - 6 mil	Each	\$ 62.00
M0059	Poly Film (100' x 20') - 8 mil	Each	\$ 94.00
M0060	Poly Film (100' x 20') - 10 mil	Each	\$ 125.00
M0061	Protective Goggles	Each	\$ 4.25
M0062	Respirator Cart - 7251 organic vapor	Each	\$ 7.25
M0063	Respirator Cart - 7252 acid gas	Each	\$ 6.25
M0064	Respirator Cart - 7255 air filter	Each	\$ 6.00
M0065	Respirator Cart - 7275 formaldehyde	Each	\$ 6.00
M0066	Rope, nylon	Foot	\$ 0.25
M0067	Safety fence	Foot	\$ 1.75

## 1289 PROGRAM TASK DESCRIPTIONS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0068	Sample Jar - 4 oz. w/Teflon lid	Each	\$ 2.50
M0069	Sample Jar - 8 oz. w/Teflon lid	Each	\$ 2.75
M0070	Sample Jar - 16 oz. w/lid	Each	\$ 3.00
M0071	Sample Jar - 32 oz. w/lid	Each	\$ 3.50
M0072	Sample Jar - 40 ml amber vial	Each	\$ 1.75
M0073	Sample Jar - 40 ml clear vial	Each	\$ 1.75
M0074	Sample Label	100 labels	\$ 10.00
M0075	Saranex Suit	Each	\$ 20.00
M0076	Shoe Covers	Pair	\$ 3.25
M0077	Slipover rubber boots	Pair	\$ 15.00
M0078	Sodium Thiosulfate	Gallon	\$ 27.00
M0079	Sorbent Booms	10-ft. length	\$ 35.00
M0080	Sorbent Litter	Bag	\$ 28.00
M0081	Sorbent pad	Each	\$ 1.00
M0082	Sorbent Sweep	12 lb. Bag	\$ 76.20
M0083	Sulfuric Acid	Gallon	\$ 38.00
M0084	Tape - Caution	Roll	\$ 20.00
M0085	Tape - Duct	Roll	\$ 5.00
M0086	Tape - Electrical	Roll	\$ 2.50
M0087	Tape - Survey	Roll	\$ 12.00
M0088	Tape - Teflon	Roll	\$ 3.00
M0089	Tedlar bag	Each	\$ 16.00
M0090	Tyvek Suit	Each	\$ 7.00
M0091	Tyvek Hood	Each	\$ 6.50
M0092	Vacuum Pump	Each	\$ 104.00
M0093	Waders, Chemical	Pair	\$ 95.00
M0094	Waders, Rubber	Pair	\$ 57.00
M0095	Zip Lock Bags - 1 qt.	100 bags	\$ 14.00
M0096	Zip Lock Bags - 2 qt.	100 bags	\$ 20.00
<b>SERVICES</b>			
M0097	Film Development - (35 mm/24 exp)	Roll	\$ 12.00
M0098	Film Development - (35 mm/36 exp)	Roll	\$ 16.00
M0099	Shipping for Laboratory Samples	Cooler	Bill at Cost

## 1289 PROGRAM TASK DESCRIPTIONS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
<b>LABORATORY ANALYSIS</b>			
Emergency multiplier: 48 hour turnaround 1.5 X cost; 24 hour turnaround 2 X cost.			
M0100	TPH-CAL.LUFT Method - Gasoline	Sample	\$ 86.00
M0101	TPH-CAL.LUFT Method - Diesel	Sample	\$ 81.00
M0102	Reactivity	Sample	\$ 76.00
M0103	Method 301.1	Sample	\$ 199.00
M0104	Method 160.3 (moisture)	Sample	\$ 15.00
M0105	Method 305.1	Sample	\$ 16.00
M0106	Method 418.1	Sample	\$ 54.00
M0107	Method 601	Sample	\$ 113.00
M0108	Method 602 - with MTBE add \$10.00	Sample	\$ 94.00
M0109	Method 608	Sample	\$ 143.00
M0110	Method 610	Sample	\$ 153.00
M0111	Method 612	Sample	\$ 141.00
M0112	Method 614	Sample	\$ 159.00
M0113	Method 615	Sample	\$ 180.00
M0114	Method 617	Sample	\$ 167.00
M0115	Method 619	Sample	\$ 282.00
M0116	Method 624	Sample	\$ 197.00
M0117	Method 625	Sample	\$ 426.00
M0118	Method 630.1	Sample	\$ 258.00
M0119	Method 632	Sample	\$ 301.00
M0120	Method 909.A	Sample	\$ 42.00
M0121	TPH-CAL.LUFT Method - Gasoline (soil matrix)	Sample	\$ 88.00
M0122	TPH-CAL.LUFT Method - Diesel (soil matrix)	Sample	\$ 85.00
M0123	TPH - 418.1	Sample	\$ 50.00
M0124	Reactivity	Sample	\$ 74.00
M0125	Method 1010 (Ignitability)	Sample	\$ 35.00
M0126	Method 1110 (Corrosivity)	Sample	\$ 62.00
M0127	Method 1310 (EP Tox)	Sample	\$ 142.00
M0128	Method 7060 (As)	Sample	\$ 20.00
M0129	Method 7061 (As)	Sample	\$ 20.00
M0130	Method 7130 (Cd)	Sample	\$ 17.00

## 1289 PROGRAM TASK DESCRIPTIONS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0131	Method 7131 (Cd)	Sample	\$ 19.00
M0132	Method 7190 (Cr)	Sample	\$ 17.00
M0133	Method 7191 (Cr)	Sample	\$ 19.00
M0134	Method 7380	Sample	\$ 16.00
M0135	Method 7420 (Pb)	Sample	\$ 17.00
M0136	Method 7421 (Pb)	Sample	\$ 19.00
M0137	Method 7460	Sample	\$ 16.00
M0138	Method 8010	Sample	\$ 106.00
M0139	Method 8015-M (TPH)	Sample	\$ 105.00
M0140	Method 8020	Sample	\$ 92.00
M0141	Method 8040	Sample	\$ 145.00
M0142	Method 8080 (PCB)	Sample	\$ 142.00
M0143	Method 8100	Sample	\$ 153.00
M0144	Method 8120	Sample	\$ 131.00
M0145	Method 8140	Sample	\$ 146.00
M0146	Method 8150	Sample	\$ 182.00
M0147	Method 8240	Sample	\$ 220.00
M0148	Method 8250	Sample	\$ 449.00
M0149	Method 8270	Sample	\$ 438.00
M0150	Method 8310	Sample	\$ 173.00
M0151	Method 9010	Sample	\$ 55.00
M0152	Method 9020 (TOX)	Sample	\$ 80.00
M0153	Method 9030 (sulfides)	Sample	\$ 28.00
M0154	Method 9045 (pH)	Sample	\$ 10.00
M0155	Method 9095 (paint filter test)	Sample	\$ 14.00
M0156	Method 9131	Sample	\$ 40.00
M0157	Method TO3 (Air Matrix)	Sample	\$ 196.00
M0158	Method 1311 (TCLP - Zero Headspace Extraction)	Sample	\$ 112.00
M0159	Method 1311 (TCLP - Non-Volatile Extraction)	Sample	\$ 78.00
M0160	Method 8270A (TCLP - Semi-volatiles)	Sample	\$ 432.00
M0161	Method 8240A (TCLP - Volatiles)	Sample	\$ 249.00
M0162	TCLP Metals	Sample	\$ 182.00
M0163	Method 8080/8150A (TCLP Pesticides/Herbicides)	Sample	\$ 277.00

## 1289 PROGRAM TASK DESCRIPTIONS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
<b>GEOTECHNICAL TESTING</b>			
M0164	Permeability Test - Falling Head	Test	\$ 216.00
M0165	Permeability Test - Constant Head	Test	\$ 313.00
M0166	Sieve Analysis	Sample	\$ 51.00
M0167	Rapid Settling Analysis	Sample	\$ 116.00
M0168	Pipette Analysis	Sample	\$ 82.00
M0169	Shear Test	Sample	\$ 193.00
M0170	Stress / Strain Analysis	Sample	\$ 153.00
M0171	Slump Test	Sample	\$ 61.00
<b>EQUIPMENT RENTAL/USE RATES</b>			
M0172	Air Blower - 350 CFM	Day	\$ 30.00
M0173	Air Blower - 350 CFM	Week	\$ 99.00
M0174	Air Blower - 350 CFM	Month	\$ 233.00
M0175	Air Blower (Explosion Proof) 1,000 CFM	Day	\$ 59.00
M0176	Air Blower (Explosion Proof) 1,000 CFM	Week	\$ 196.00
M0177	Air Blower (Explosion Proof) 1,000 CFM	Month	\$ 440.00
M0178	Air Compressor 40-90 PSI; 4 HP	Day	\$ 58.00
M0179	Air Compressor 40-90 PSI; 4 HP	Week	\$ 198.00
M0180	Air Compressor 40-90 PSI; 4 HP	Month	\$ 475.00
M0181	Air Compressor 90-175 PSI; 5 HP	Day	\$ 65.00
M0182	Air Compressor 90-175 PSI; 5 HP	Week	\$ 213.00
M0183	Air Compressor 90-175 PSI; 5 HP	Month	\$ 503.00
M0184	Air Compressor 90-175 PSI; 9 HP	Day	\$ 76.00
M0185	Air Compressor 90-175 PSI; 9 HP	Week	\$ 260.00
M0186	Air Compressor 90-175 PSI; 9 HP	Month	\$ 739.00
M0187	Air Hose (.5" with coupling)	Day	\$ 6.00
M0188	Air Hose (.5" with coupling)	Week	\$ 17.00
M0189	Air Hose (.5" with coupling)	Month	\$ 36.00
M0190	Air Hose (.75" with coupling)	Day	\$ 6.00
M0191	Air Hose (.75" with coupling)	Week	\$ 19.00
M0192	Air Hose (.75" with coupling)	Month	\$ 40.00
M0193	Air Hose (1" with coupling)	Day	\$ 9.00
M0194	Air Hose (1" with coupling)	Week	\$ 29.00

## 1289 PROGRAM TASK DESCRIPTIONS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0195	Air Hose (1" with coupling)	Month	\$ 66.00
M0196	Bailer - PVC	Day	\$ 7.25
M0197	Bailer - PVC	Week	\$ 30.00
M0198	Bailer - PVC	Month	\$ 78.00
M0199	Bailer - Stainless Steel	Day	\$ 9.00
M0200	Bailer - Stainless Steel	Week	\$ 37.00
M0201	Bailer - Stainless Steel	Month	\$ 97.00
M0202	Bailer - Teflon	Day	\$ 9.50
M0203	Bailer - Teflon	Week	\$ 35.00
M0204	Bailer - Teflon	Month	\$ 90.00
M0205	Bailer - Acrylic	Day	\$ 7.50
M0206	Bailer - Acrylic	Week	\$ 32.00
M0207	Bailer - Acrylic	Month	\$ 88.00
M0208	Barricade	Day	\$ 10.00
M0209	Barricade	Week	\$ 12.00
M0210	Barricade	Month	\$ 25.00
M0211	Bolt Cutters	Day	\$ 5.00
M0212	Bolt Cutters	Week	\$ 11.00
M0213	Bolt Cutters	Month	\$ 34.00
M0214	Broadcast Spreader	Day	\$ 15.00
M0215	Broadcast Spreader	Week	\$ 56.00
M0216	Broadcast Spreader	Month	\$ 152.00
M0217	Bush Ax	Day	\$ 4.25
M0218	Bush Ax	Week	\$ 10.00
M0219	Bush Ax	Month	\$ 28.00
M0220	Camera, 35 mm	Day	\$ 5.00
M0221	Camera, 35 mm	Week	\$ 13.00
M0222	Camera, 35 mm	Month	\$ 27.00
M0223	Chain Saw	Day	\$ 46.00
M0224	Chain Saw	Week	\$ 155.00
M0225	Chain Saw	Month	\$ 397.00
M0226	Concrete Saw, push type	Day	\$ 80.00
M0227	Concrete Saw, push type	Week	\$ 274.00
M0228	Concrete Saw, push type	Month	\$ 627.00
M0229	Conductivity Meter	Day	\$ 19.00

## 1289 PROGRAM TASK DESCRIPTIONS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0230	Conductivity Meter	Week	\$ 70.00
M0231	Conductivity Meter	Month	\$ 181.00
M0232	Control Panel	Day	\$ 46.00
M0233	Control Panel	Week	\$ 119.00
M0234	Control Panel	Month	\$ 393.00
M0235	Cooler 48 qt.	Day	\$ 3.75
M0236	Cooler 48 qt.	Week	\$ 10.00
M0237	Cooler 48 qt.	Month	\$ 24.00
M0238	Cooler 60 qt.	Day	\$ 4.00
M0239	Cooler 60 qt.	Week	\$ 12.00
M0240	Cooler 60 qt.	Month	\$ 31.00
M0241	Cooler 80 qt.	Day	\$ 4.50
M0242	Cooler 80 qt.	Week	\$ 12.00
M0243	Cooler 80 qt.	Month	\$ 31.00
M0244	Cutting Torch (with accessories)	Day	\$ 53.00
M0245	Cutting Torch (with accessories)	Week	\$ 144.00
M0246	Cutting Torch (with accessories)	Month	\$ 313.00
M0247	Draeger Pump	Day	\$ 11.00
M0248	Draeger Pump	Week	\$ 33.00
M0249	Draeger Pump	Month	\$ 91.00
M0250	Drum Dolly	Day	\$ 10.00
M0251	Drum Dolly	Week	\$ 34.00
M0252	Drum Dolly	Month	\$ 61.00
M0253	Explosimeter	Day	\$ 32.00
M0254	Explosimeter	Week	\$ 104.00
M0255	Explosimeter	Month	\$ 256.00
M0256	FID, OVA	Day	\$ 119.00
M0257	FID, OVA	Week	\$ 392.00
M0258	FID, OVA	Month	\$ 1,030.00
M0259	Flood Lights (1,000 watts)	Day	\$ 35.00
M0260	Flood Lights (1,000 watts)	Week	\$ 119.00
M0261	Flood Lights (1,000 watts)	Month	\$ 295.00
M0262	Flood Lights (2,000 watts)	Day	\$ 53.00
M0263	Flood Lights (2,000 watts)	Week	\$ 170.00
M0264	Flood Lights (2,000 watts)	Month	\$ 457.00

## 1289 PROGRAM TASK DESCRIPTIONS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0265	Flow Meter	Day	\$ 21.00
M0266	Flow Meter	Week	\$ 67.00
M0267	Flow Meter	Month	\$ 180.00
M0268	Generator (<= 3 kW); 3 HP	Day	\$ 38.00
M0269	Generator (<= 3 kW); 3 HP	Week	\$ 130.00
M0270	Generator (<= 3 kW); 3 HP	Month	\$ 353.00
M0271	Generator (4.5 kW); 8 HP	Day	\$ 52.00
M0272	Generator (4.5 kW); 8 HP	Week	\$ 177.00
M0273	Generator (4.5 kW); 8 HP	Month	\$ 479.00
M0274	Generator (6.5 kW); 11 HP	Day	\$ 93.00
M0275	Generator (6.5 kW); 11 HP	Week	\$ 323.00
M0276	Generator (6.5 kW); 11 HP	Month	\$ 841.00
M0277	Hand Auger	Day	\$ 11.50
M0278	Hand Auger	Week	\$ 35.00
M0279	Hand Auger	Month	\$ 90.00
M0280	Hand Tools (per set; non-sparking)	Day	\$ 5.75
M0281	Hand Tools (per set; non-sparking)	Week	\$ 16.75
M0282	Hand Tools (per set; non-sparking)	Month	\$ 47.00
M0283	Jackhammer	Day	\$ 28.00
M0284	Jackhammer	Week	\$ 88.00
M0285	Jackhammer	Month	\$ 220.00
M0286	Lysimeter	Day	\$ 26.00
M0287	Lysimeter	Week	\$ 83.00
M0288	Lysimeter	Month	\$ 225.00
M0289	Measuring Tape (100')	Day	\$ 4.00
M0290	Measuring Tape (100')	Week	\$ 11.00
M0291	Measuring Tape (100')	Month	\$ 31.00
M0292	Measuring Wheel	Day	\$ 5.25
M0293	Measuring Wheel	Week	\$ 17.00
M0294	Measuring Wheel	Month	\$ 41.00
M0295	Metal Detector	Day	\$ 30.00
M0296	Metal Detector	Week	\$ 113.00
M0297	Metal Detector	Month	\$ 321.00
M0298	Oil/Water Interface Probe	Day	\$ 40.00
M0299	Oil/Water Interface Probe	Week	\$ 149.00

## 1289 PROGRAM TASK DESCRIPTIONS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0300	Oil/Water Interface Probe	Month	\$ 357.00
M0301	pH Meter	Day	\$ 16.50
M0302	pH Meter	Week	\$ 64.00
M0303	pH Meter	Month	\$ 169.00
M0304	PID/HNu	Day	\$ 85.00
M0305	PID/HNu	Week	\$ 301.00
M0306	PID/HNu	Month	\$ 775.00
M0307	Portable Tank	Day	\$ 28.00
M0308	Portable Tank	Week	\$ 93.00
M0309	Portable Tank	Month	\$ 281.00
M0310	Portable Air Blower	Day	\$ 46.00
M0311	Portable Air Blower	Week	\$ 147.00
M0312	Portable Air Blower	Month	\$ 377.00
M0313	Portable GC	Day	\$ 296.00
M0314	Portable GC	Week	\$ 851.00
M0315	Portable GC	Month	\$ 2,325.00
M0316	Port-O-Let	Day	\$ 36.00
M0317	Port-O-Let	Week	\$ 66.00
M0318	Port-O-Let	Month	\$ 139.00
M0319	Power Auger	Day	\$ 45.00
M0320	Power Auger	Week	\$ 165.00
M0321	Power Auger	Month	\$ 447.00
M0322	Pressure Washer	Day	\$ 67.00
M0323	Pressure Washer	Week	\$ 237.00
M0324	Pressure Washer	Month	\$ 649.00
M0325	Air Sample	Day	\$ 29.00
M0326	Air Sample	Week	\$ 99.00
M0327	Air Sample	Month	\$ 241.00
M0328	Discharge Hose (1.5")	Day	\$ 8.00
M0329	Discharge Hose 1.5"	Week	\$ 25.00
M0330	Discharge Hose 1.5"	Month	\$ 67.00
M0331	Discharge Hose (2")	Day	\$ 9.00
M0332	Discharge Hose (2")	Week	\$ 26.00
M0333	Discharge Hose (2")	Month	\$ 75.00
M0334	Discharge Hose (3")	Day	\$ 12.00

## 1289 PROGRAM TASK DESCRIPTIONS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0335	Discharge Hose (3")	Week	\$ 38.00
M0336	Discharge Hose (3")	Month	\$ 108.00
M0337	Discharge Hose (4")	Day	\$ 18.00
M0338	Discharge Hose (4")	Week	\$ 52.00
M0339	Discharge Hose (4")	Month	\$ 142.00
M0340	Discharge Hose (6")	Day	\$ 35.00
M0341	Discharge Hose (6")	Week	\$ 110.00
M0342	Discharge Hose (6")	Month	\$ 268.00
M0343	Suction Hose (1")	Day	\$ 7.25
M0344	Suction Hose (1")	Week	\$ 22.00
M0345	Suction Hose (1")	Month	\$ 72.00
M0346	Suction Hose (1.5")	Day	\$ 7.75
M0347	Suction Hose (1.5")	Week	\$ 26.00
M0348	Suction Hose (1.5")	Month	\$ 61.00
M0349	Suction Hose (2")	Day	\$ 8.50
M0350	Suction Hose (2")	Week	\$ 26.00
M0351	Suction Hose (2")	Month	\$ 70.00
M0352	Suction Hose (3")	Day	\$ 11.50
M0353	Suction Hose (3")	Week	\$ 34.00
M0354	Suction Hose (3")	Month	\$ 93.00
M0355	Suction Hose (4")	Day	\$ 23.00
M0356	Suction Hose (4")	Week	\$ 60.00
M0357	Suction Hose (4")	Month	\$ 141.00
M0358	Suction Hose (6")	Day	\$ 42.00
M0359	Suction Hose (6")	Week	\$ 113.00
M0360	Suction Hose (6")	Month	\$ 279.00
M0361	Centrifugal (1.5")	Day	\$ 39.00
M0362	Centrifugal (1.5")	Week	\$ 127.00
M0363	Centrifugal (1.5")	Month	\$ 368.00
M0364	Centrifugal (2")	Day	\$ 48.00
M0365	Centrifugal (2")	Week	\$ 158.00
M0366	Centrifugal (2")	Month	\$ 452.00
M0367	Centrifugal (3")	Day	\$ 70.00
M0368	Centrifugal (3")	Week	\$ 223.00
M0369	Centrifugal (3")	Month	\$ 632.00

## 1289 PROGRAM TASK DESCRIPTIONS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0370	Diaphragm (1")	Day	\$ 32.00
M0371	Diaphragm (1")	Week	\$ 109.00
M0372	Diaphragm (1")	Month	\$ 292.00
M0373	Diaphragm (1.5")	Day	\$ 36.00
M0374	Diaphragm (1.5")	Week	\$ 122.00
M0375	Diaphragm (1.5")	Month	\$ 335.00
M0376	Diaphragm (2")	Day	\$ 49.00
M0377	Diaphragm (2")	Week	\$ 160.00
M0378	Diaphragm (2")	Month	\$ 429.00
M0379	Diaphragm (3")	Day	\$ 58.00
M0380	Diaphragm (3")	Week	\$ 186.00
M0381	Diaphragm (3")	Month	\$ 505.00
M0382	Ejector (2")	Day	\$ 87.00
M0383	Ejector (2")	Week	\$ 286.00
M0384	Ejector (2")	Month	\$ 761.00
M0385	Ejector (4")	Day	\$ 96.00
M0386	Ejector (4")	Week	\$ 319.00
M0387	Ejector (4")	Month	\$ 874.00
M0388	Ejector (6")	Day	\$ 126.00
M0389	Ejector (6")	Week	\$ 434.00
M0390	Ejector (6")	Month	\$ 1,265.00
M0391	Explosion-proof	Day	\$ 79.00
M0392	Explosion-proof	Week	\$ 255.00
M0393	Explosion-proof	Month	\$ 676.00
M0394	Peristaltic	Day	\$ 60.00
M0395	Peristaltic	Week	\$ 183.00
M0396	Peristaltic	Month	\$ 499.00
M0397	Pneumatic (2")	Day	\$ 74.00
M0398	Pneumatic (2")	Week	\$ 231.00
M0399	Pneumatic (2")	Month	\$ 588.00
M0400	Pneumatic (4")	Day	\$ 81.00
M0401	Pneumatic (4")	Week	\$ 258.00
M0402	Pneumatic (4")	Month	\$ 686.00
M0403	Pneumatic (6")	Day	\$ 111.00
M0404	Pneumatic (6")	Week	\$ 357.00

## 1289 PROGRAM TASK DESCRIPTIONS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0405	Pneumatic (6")	Month	\$ 944.00
M0406	Scavenger Probe (4")	Day	\$ 79.00
M0407	Scavenger Probe (4")	Week	\$ 250.00
M0408	Scavenger Probe (4")	Month	\$ 685.00
M0409	Scavenger Probe (6")	Day	\$ 97.00
M0410	Scavenger Probe (6")	Week	\$ 322.00
M0411	Scavenger Probe (6")	Month	\$ 824.00
M0412	Skimmer - Floating (2")	Day	\$ 44.00
M0413	Skimmer - Floating (2")	Week	\$ 133.00
M0414	Skimmer - Floating (2")	Month	\$ 362.00
M0415	Skimmer - Floating (4")	Day	\$ 50.00
M0416	Skimmer - Floating (4")	Week	\$ 171.00
M0417	Skimmer - Floating (4")	Month	\$ 511.00
M0418	Skimmer - Floating (6")	Day	\$ 51.00
M0419	Skimmer - Floating (6")	Week	\$ 208.00
M0420	Skimmer - Floating (6")	Month	\$ 608.00
M0421	Submersible (2")	Day	\$ 50.00
M0422	Submersible (2")	Week	\$ 171.00
M0423	Submersible (2")	Month	\$ 433.00
M0424	Submersible (4")	Day	\$ 87.00
M0425	Submersible (4")	Week	\$ 284.00
M0426	Submersible (4")	Month	\$ 785.00
M0427	Submersible (6")	Day	\$ 128.00
M0428	Submersible (6")	Week	\$ 446.00
M0429	Submersible (6")	Month	\$ 1,215.00
M0430	Trash (2")	Day	\$ 41.00
M0431	Trash (2")	Week	\$ 147.00
M0432	Trash (2")	Month	\$ 359.00
M0433	Trash (4")	Day	\$ 77.00
M0434	Trash (4")	Week	\$ 240.00
M0435	Trash (4")	Month	\$ 661.00
M0436	Trash (6")	Day	\$ 159.00
M0437	Trash (6")	Week	\$ 483.00
M0438	Trash (6")	Month	\$ 1,384.00
M0439	Product Collection Tank with Oil/Water Separator (550 Gallon)	Day	\$ 134.00

## 1289 PROGRAM TASK DESCRIPTIONS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0440	Product Collection Tank with Oil/Water Separator (550 Gallon)	Week	\$ 498.00
M0441	Product Collection Tank with Oil/Water Separator (550 Gallon)	Month	\$ 1,470.00
M0442	Product Collection Tank with Oil/Water Separator (1,000 Gallon)	Day	\$ 186.00
M0443	Product Collection Tank with Oil/Water Separator (1,000 Gallon)	Week	\$ 650.00
M0444	Product Collection Tank with Oil/Water Separator (1,000 Gallon)	Month	\$ 2,205.00
M0445	Respirator - Full Face	Day	\$ 15.00
M0446	Respirator - Full Face	Week	\$ 48.00
M0447	Respirator - Full Face	Month	\$ 125.00
M0448	Respirator - Half Face	Day	\$ 10.75
M0449	Respirator - Half Face	Week	\$ 35.00
M0450	Respirator - Half Face	Month	\$ 88.00
M0451	Road Safety Cones	Cone/Day	\$ 2.00
M0452	Road Safety Cones	Cone/Week	\$ 5.00
M0453	Road Safety Cones	Cone/Month	\$ 11.00
M0454	Safety Belt	Day	\$ 4.75
M0455	Safety Belt	Week	\$ 14.25
M0456	Safety Belt	Month	\$ 48.00
M0457	Safety Harness	Day	\$ 12.00
M0458	Safety Harness	Week	\$ 29.00
M0459	Safety Harness	Month	\$ 77.00
M0460	SCBA	Day	\$ 44.00
M0461	SCBA	Week	\$ 172.00
M0462	SCBA	Month	\$ 501.00
M0463	Slide Hammer	Day	\$ 7.50
M0464	Slide Hammer	Week	\$ 21.00
M0465	Slide Hammer	Month	\$ 58.00
M0466	Spark Proof Tool Set	Day	\$ 11.00
M0467	Spark Proof Tool Set	Week	\$ 38.00
M0468	Spark Proof Tool Set	Month	\$ 122.00
M0469	Stainless Steel Bucket	Day	\$ 3.75
M0470	Stainless Steel Bucket	Week	\$ 13.50
M0471	Stainless Steel Bucket	Month	\$ 38.00
M0472	Steam Cleaner	Day	\$ 78.00
M0473	Steam Cleaner	Week	\$ 307.00
M0474	Steam Cleaner	Month	\$ 737.00

## 1289 PROGRAM TASK DESCRIPTIONS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0475	Supplied Air Line Equip	Day	\$ 115.00
M0476	Supplied Air Line Equip	Week	\$ 414.00
M0477	Supplied Air Line Equip	Month	\$ 1,140.00
M0478	Survey Equipment	Day	\$ 35.00
M0479	Survey Equipment	Week	\$ 124.00
M0480	Survey Equipment	Month	\$ 333.00
M0481	Trench Box	Day	\$ 109.00
M0482	Trench Box	Week	\$ 327.00
M0483	Trench Box	Month	\$ 891.00
M0484	Water Cooler (5 gallon)	Month	\$ 6.00
M0485	Water Bottle (5 gallon)	Bottle	\$ 3.50
M0486	Water Level Indicator	Day	\$ 15.00
M0487	Water Level Indicator	Week	\$ 56.00
M0488	Water Level Indicator	Month	\$ 146.00
M0489	Welder (gas powered)	Day	\$ 60.00
M0490	Welder (gas powered)	Week	\$ 189.00
M0491	Welder (gas powered)	Month	\$ 493.00
<b>SITE RESTORATION</b>			
M0492	Gravel	Cubic Yard	\$ 25.00
M0493	VDOT Asphalt Installation	Cubic Yard	\$ 249.00
M0494	Asphalt - Installation (1.5")	Square Foot	\$ 4.75
M0495	Asphalt - Removal	Square Foot	\$ 3.00
M0496	Concrete Removal - 4"	Square Foot	\$ 3.75
M0497	Concrete Removal - 6"	Square Foot	\$ 5.00
M0498	Concrete Removal - 12"	Square Foot	\$ 9.00
M0499	Concrete Installation - 4"	Square Foot	\$ 5.00
M0500	Concrete Installation - 6"	Square Foot	\$ 7.00
M0501	Concrete Installation - 12"	Square Foot	\$ 11.25
M0502	Rip Rap	Cubic Yard	\$ 43.00
<b>DRILLING &amp; WELL INSTALLATION</b>			
[1] Charge to include labor, disposal, and site restoration charges. Does not include well construction materials or decontamination charges.			
M0503	Bentonite Gel	50 Pound	\$ 12.00
M0504	Bentonite Pellets - 1/4"	50 Pound	\$ 44.00

## 1289 PROGRAM TASK DESCRIPTIONS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0505	Bentonite Pellets - 3/8"	50 Pound	\$ 36.00
M0506	Bentonite Pellets - 1/2"	50 Pound	\$ 34.00
M0507	Bentonite Chips - 1/4"	50 Pound	\$ 15.50
M0508	Bentonite Chips - 3/4"	50 Pound	\$ 14.50
M0509	Concrete	50 Pound	\$ 9.75
M0510	Graded Sand	60 Pound	\$ 10.25
M0511	Graded Sand	100 Pound	\$ 13.50
M0512	Neat Cement Grout	50 Pound	\$ 14.50
M0513	Well ID Plates	Each	\$ 9.25
M0514	Manholes 8" Non-watertight	Each	\$ 56.00
M0515	Manhole - 12" Non-watertight	Each	\$ 72.00
M0516	Manhole - 8" Watertight	Each	\$ 79.00
M0517	Manhole - 12" Watertight	Each	\$ 97.00
M0518	Well Cap - Locking 2"	Each	\$ 17.50
M0519	Well Cap - Locking 4"	Each	\$ 25.00
M0520	Well Cap - Locking 6"	Each	\$ 42.00
M0521	Well Cap - Locking 8"	Each	\$ 66.00
M0522	Well Plug - Locking 2"	Each	\$ 18.50
M0523	Well Plug - Locking 4"	Each	\$ 22.00
M0524	Well Plug - Locking 6"	Each	\$ 43.00
M0525	Well Plug - Locking 8"	Each	\$ 79.00
M0526	Centralizer - 2"	Each	\$ 19.50
M0527	Centralizer - 4"	Each	\$ 24.00
M0528	Centralizer - 6"	Each	\$ 31.00
M0529	Centralizer - 8"	Each	\$ 43.00
M0530	Casing - Schedule 40 PVC, flush threaded, 2"	Foot	\$ 5.00
M0531	Casing - Schedule 40 PVC, flush threaded, 4"	Foot	\$ 8.25
M0532	Casing - Schedule 40 PVC, flush threaded, 6"	Foot	\$ 13.00
M0533	Casing - Schedule 40 PVC, flush threaded, 8"	Foot	\$ 22.00
M0534	Casing - Stainless Steel, threaded & coupled, 2"	Foot	\$ 16.50
M0535	Casing - Stainless Steel, threaded & coupled, 4"	Foot	\$ 30.50
M0536	Casing - Stainless Steel, threaded & coupled, 6"	Foot	\$ 56.00
M0537	Casing - Stainless Steel, threaded & coupled, 8"	Foot	\$ 100.00
M0538	Casing - Black Steel, threaded and coupled, ASTM 120, 0.237 wall, 4"	Foot	\$ 15.25
M0539	Casing - Black Steel, threaded and coupled, ASTM 120, 0.237 wall, 6"	Foot	\$ 22.50

## 1289 PROGRAM TASK DESCRIPTIONS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0540	Casing - Black Steel, threaded and coupled, ASTM 120, 0.237 wall, 8"	Foot	\$ 36.50
M0541	Well Screens - Schedule 40 PVC, 0.010" slot, flush threaded, 2"	Foot	\$ 7.00
M0542	Well Screens - Schedule 40 PVC, 0.010" slot, flush threaded, 4"	Foot	\$ 11.50
M0543	Well Screens - Schedule 40 PVC, 0.010" slot, flush threaded, 6"	Foot	\$ 19.00
M0544	Well Screens - Schedule 40 PVC, 0.010" slot, flush threaded, 8"	Foot	\$ 28.00
M0545	Well Screens - Schedule 40 PVC, 0.020" slot, flush threaded, 2"	Foot	\$ 7.00
M0546	Well Screens - Schedule 40 PVC, 0.020" slot, flush threaded, 4"	Foot	\$ 11.50
M0547	Well Screens - Schedule 40 PVC, 0.020" slot, flush threaded, 6"	Foot	\$ 19.00
M0548	Well Screens - Schedule 40 PVC, 0.020" slot, flush threaded, 8"	Foot	\$ 28.00
M0549	Well Screens, Stainless Steel, wire wrap, .010" slot, T&C, 2"	Foot	\$ 30.00
M0550	Well Screens, Stainless Steel, wire wrap, .010" slot, T&C, 4"	Foot	\$ 44.00
M0551	Well Screens, Stainless Steel, wire wrap, .010" slot, T&C, 6"	Foot	\$ 70.00
M0552	Well Screens, Stainless Steel, wire wrap, .010" slot, T&C, 8"	Foot	\$ 113.00
M0553	Well Screens, Stainless Steel, wire wrap, .020" slot, T&C, 2"	Foot	\$ 31.00
M0554	Well Screens, Stainless Steel, wire wrap, .020" slot, T&C, 4"	Foot	\$ 44.50
M0555	Well Screens, Stainless Steel, wire wrap, .020" slot, T&C, 6"	Foot	\$ 83.00
M0556	Well Screens, Stainless Steel, wire wrap, .020" slot, T&C, 8"	Foot	\$ 113.00
M0557	Well Screens, Galvanized Steel, wire wrap, .010" slot, T&C, 4"	Foot	\$ 42.00
M0558	Well Screens, Galvanized Steel, wire wrap, .010" slot, T&C, 6"	Foot	\$ 59.00
M0559	Well Screens, Galvanized Steel, wire wrap, .010" slot, T&C, 8"	Foot	\$ 82.00
M0560	Well Screens, Galvanized Steel, wire wrap, .020" slot, T&C, 4"	Foot	\$ 42.00
M0561	Well Screens, Galvanized Steel, wire wrap, .020" slot, T&C, 6"	Foot	\$ 62.00
M0562	Well Screens, Galvanized Steel, wire wrap, .020" slot, T&C, 8"	Foot	\$ 82.00
M0563	Plugs, Bottom, s/40 PVC, flush threaded, 2"	Each	\$ 7.25
M0564	Plugs, Bottom, s/40 PVC, flush threaded, 4"	Each	\$ 15.00
M0565	Plugs, Bottom, s/40 PVC, flush threaded, 6"	Each	\$ 30.00
M0566	Plugs, Bottom, s/40 PVC, flush threaded, 8"	Each	\$ 48.00
M0567	Plugs, Bottom, Stainless Steel, 2"	Each	\$ 32.00
M0568	Plugs, Bottom, Stainless Steel, 4"	Each	\$ 55.00
M0569	Plugs, Bottom, Stainless Steel, 6"	Each	\$ 83.00
M0570	Plugs, Bottom, Stainless Steel, 8"	Each	\$ 158.00
M0571	Plugs, Bottom, Black Steel, 4"	Each	\$ 25.00
M0572	Plugs, Bottom, Black Steel, 6"	Each	\$ 44.00
M0573	Plugs, Bottom, Black Steel, 8"	Each	\$ 68.00
M0574	Grouting of Annular Space, 2"	Linear Foot	\$ 6.50

## 1289 PROGRAM TASK DESCRIPTIONS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0575	Grouting of Annular Space, 4"	Linear Foot	\$ 9.50
M0576	Grouting of Annular Space, 6"	Linear Foot	\$ 14.00
M0577	Grouting of Annular Space, 8"	Linear Foot	\$ 15.00
M0578	Grouting of Annular Space, 10"	Linear Foot	\$ 20.00
M0579	Well Protection Posts, installed, 4" x 5'	Each	\$ 95.00
M0580	Well Protection Posts, installed, 4" x 7'	Each	\$ 105.00
M0581	Well Protection Posts, installed, 6" x 5'	Each	\$ 125.00
M0582	Well Protection Posts, installed, 6" x 7'	Each	\$ 140.00
M0583	Well Vaults, locking, 12" x 12"	Each	\$ 203.00
M0584	Well Vaults, locking, 24" x 24"	Each	\$ 458.00
M0585	Well Covers, locking, 4" x 5'	Each	\$ 77.00
M0586	Well Covers, locking, 4" x 7'	Each	\$ 92.00
M0587	Well Covers, locking, 6" x 5'	Each	\$ 113.00
M0588	Well Covers, locking, 6" x 7'	Each	\$ 131.00
M0589	Well Covers, locking, 8" x 5'	Each	\$ 171.00
M0590	Air Rotary Drilling, 2" Well [1]	Linear Foot	\$ 20.00
M0591	Air Rotary Drilling, 4" Well [1]	Linear Foot	\$ 26.00
M0592	Air Rotary Drilling, 6" Well [1]	Linear Foot	\$ 35.00
M0593	Mud Rotary Drilling, 4" Well [1]	Linear Foot	\$ 19.00
M0594	Mud Rotary Drilling, 6" Well [1]	Linear Foot	\$ 24.00
M0595	Hollow Stem Auger, 2" Well	Linear Foot	\$ 11.50
M0596	Hollow Stem Auger, 4" Well	Linear Foot	\$ 14.50
M0597	Hollow Stem Auger, 6" Well	Linear Foot	\$ 21.00
M0598	Hollow Stem Auger with split spoon sampling @ 5 ft intervals, 2" Well [1]	Linear Foot	\$ 13.75
M0599	Hollow Stem Auger with split spoon sampling @ 5 ft intervals, 4" Well [1]	Linear Foot	\$ 17.00
M0600	Hollow Stem Auger with split spoon sampling @ 5 ft intervals, 6" Well [1]	Linear Foot	\$ 25.00
M0601	Soil Borings-Hollow Stem Auger with split spoon sampling @ 5 ft intervals, 4" auger [1]	Linear Foot	\$ 9.50
M0602	Well Abandonment, Grouting, Cement / Bentonite Slurry 90/10 mix by weight, 2" well	Linear Foot	\$ 5.50
M0603	Well Abandonment, Grouting, Cement / Bentonite Slurry 90/10 mix by weight, 4" well	Linear Foot	\$ 8.25
M0604	Well Abandonment, Grouting, Cement / Bentonite Slurry 90/10 mix by weight, 6" well	Linear Foot	\$ 11.25
M0605	Well Abandonment, Grouting, Cement / Bentonite Slurry 90/10 mix by weight, 8" well	Linear Foot	\$ 15.00
M0606	Well Abandonment, Grouting, Cement / Bentonite Slurry 90/10 mix by weight, 10" well	Linear Foot	\$ 20.00

## 1289 PROGRAM TASK DESCRIPTIONS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0607	Well Abandonment, Grouting, Cement / Bentonite Slurry 90/10 mix by weight, 36" well	Linear Foot	\$ 91.00
M0608	Drill Rig Stand-by Charge	Hour	\$ 162.00
M0609	Drill Rig Decontamination	Hour	\$ 129.00
<b>DISPOSAL</b>			
M0610	Drums (used)	Each	\$ 35.00
M0611	Soiled Clothing	Drum	\$ 151.00
M0612	Tank waste - does not include cost of container or analytical fees	Drum	\$ 296.00
M0613	Hazardous Sludges	Drum	\$ 463.00
M0614	Landfill Rubble	Ton	\$ 33.00
M0615	Roll-Off Container Delivery / Pick-up	Each	\$ 150.00
M0616	Roll-Off Container Use Fee (Includes Disposal)	Each	\$ 138.00
<b>ROLLING STOCK</b>			
M0617	Auto	Mile	\$ 0.29
M0618	Pickup Truck	Mile	\$ 0.29
M0619	Van	Mile	\$ 0.29
M0620	Medium Truck	Mile	\$ 0.35
M0621	Dump Truck capacity < = 3 CY	Day	\$ 208.00
M0622	Dump Truck capacity < = 3 CY	Mile	\$ 1.00
M0623	Dump Truck capacity <=5 CY	Day	\$ 252.00
M0624	Dump Truck capacity <=5 CY	Mile	\$ 1.00
M0625	Dump Truck capacity <=10 CY	Day	\$ 357.00
M0626	Dump Truck capacity <=10 CY	Mile	\$ 2.00
M0627	Dump Truck capacity <=15 CY	Day	\$ 423.00
M0628	Dump Truck capacity <=15 CY	Mile	\$ 2.00
M0629	Tanker Trailer capacity < = 5000 gallons	Day	\$ 164.00
M0630	Tanker Trailer capacity < = 5000 gallons	Mile	\$ 1.00
M0631	Tanker Trailer capacity > = 5000 gallons	Day	\$ 185.00
M0632	Tanker Trailer capacity > = 5000 gallons	Mile	\$ 1.00
M0633	Tractor 4 x 2	Day	\$ 342.00
M0634	Tractor 4 x 2	Mile	\$ 1.00
M0635	Tractor 6 x 2	Day	\$ 359.00
M0636	Tractor 6 x 2	Mile	\$ 1.00
M0637	Tractor 6 x 4	Day	\$ 393.00

## 1289 PROGRAM TASK DESCRIPTIONS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0638	Tractor 6 x 4	Mile	\$ 1.00
M0639	Trailer - flatbed - 16'	Day	\$ 102.00
M0640	Trailer - flatbed - 16'	Mile	\$ 0.50
M0641	Trailer - flatbed - 20'	Day	\$ 127.00
M0642	Trailer - flatbed - 20'	Mile	\$ 0.50
M0643	Trailer - flatbed - >20'	Day	\$ 154.00
M0644	Trailer - flatbed - >20'	Mile	\$ 1.00
M0645	Trailer - dump cap. 10 CY	Day	\$ 189.00
M0646	Trailer - dump cap. 10 CY	Mile	\$ 1.00
M0647	Trailer - lowboy 10 ton	Day	\$ 162.00
M0648	Trailer - lowboy 10 ton	Mile	\$ 1.00
M0649	Trailer - lowboy 25 ton	Day	\$ 200.00
M0650	Trailer - lowboy 25 ton	Mile	\$ 1.00
M0651	Vac trailer 5000 gal.	Day	\$ 754.00
M0652	Vac trailer 5000 gal.	Mile	\$ 2.00
M0653	Vac Truck <= 3000 gal.	Day	\$ 726.00
M0654	Vac Truck <= 3000 gal.	Mile	\$ 1.00
M0655	Vac Truck > 3000 gal.	Day	\$ 745.00
M0656	Vac Truck > 3000 gal.	Mile	\$ 2.00
<b>EXCAVATION RATES</b>			
Rates include Operator and operating costs.			
M0657	Cat 416 Type Backhoe Loader	Day	\$ 467.00
M0658	Cat 416 Type Backhoe Loader	Week	\$ 2,018.00
M0659	Cat 416 Type Backhoe Loader	Month	\$ 7,038.00
M0660	Cat 426 Type Backhoe Loader	Day	\$ 510.00
M0661	Cat 426 Type Backhoe Loader	Week	\$ 2,144.00
M0662	Cat 426 Type Backhoe Loader	Month	\$ 7,580.00
M0663	Cat 428 Type Backhoe Loader	Day	\$ 555.00
M0664	Cat 428 Type Backhoe Loader	Week	\$ 2,241.00
M0665	Cat 428 Type Backhoe Loader	Month	\$ 7,943.00
M0666	Compactor (Sheepsfoot, towed)	Day	\$ 287.00
M0667	Compactor (Sheepsfoot, towed)	Week	\$ 1,030.00
M0668	Compactor (Sheepsfoot, towed)	Month	\$ 3,291.00
M0669	Gradall	Day	\$ 842.00

## 1289 PROGRAM TASK DESCRIPTIONS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0670	Gradall	Week	\$ 3,288.00
M0671	Gradall	Month	\$ 11,046.00
M0672	Skid Steer Loader Bobcat 543 Type	Day	\$ 413.00
M0673	Skid Steer Loader Bobcat 543 Type	Week	\$ 1,794.00
M0674	Skid Steer Loader Bobcat 543 Type	Month	\$ 6,177.00
M0675	Skid Steer Loader Bobcat 641 Type	Day	\$ 445.00
M0676	Skid Steer Loader Bobcat 641 Type	Week	\$ 1,994.00
M0677	Skid Steer Loader Bobcat 641 Type	Month	\$ 6,657.00
M0678	Tracked Bulldozer Cat D3 Type	Day	\$ 590.00
M0679	Tracked Bulldozer Cat D3 Type	Week	\$ 2,370.00
M0680	Tracked Bulldozer Cat D3 Type	Month	\$ 8,126.00
M0681	Tracked Bulldozer Cat D4 Type	Day	\$ 649.00
M0682	Tracked Bulldozer Cat D4 Type	Week	\$ 2,701.00
M0683	Tracked Bulldozer Cat D4 Type	Month	\$ 9,230.00
M0684	Tracked Bulldozer Cat D5 Type	Day	\$ 735.00
M0685	Tracked Bulldozer Cat D5 Type	Week	\$ 3,060.00
M0686	Tracked Bulldozer Cat D5 Type	Month	\$ 10,596.00
M0687	Tracked Excavator Cat E70 Type	Day	\$ 792.00
M0688	Tracked Excavator Cat E70 Type	Week	\$ 3,074.00
M0689	Tracked Excavator Cat E70 Type	Month	\$ 9,792.00
M0690	Tracked Excavator Cat 205 Type	Day	\$ 890.00
M0691	Tracked Excavator Cat 205 Type	Week	\$ 3,350.00
M0692	Tracked Excavator Cat 205 Type	Month	\$ 11,546.00
M0693	Tracked Excavator Cat 215 Type	Day	\$ 977.00
M0694	Tracked Excavator Cat 215 Type	Week	\$ 3,703.00
M0695	Tracked Excavator Cat 215 Type	Month	\$ 12,611.00
M0696	Tracked Excavator Cat 225 Type	Day	\$ 1,140.00
M0697	Tracked Excavator Cat 225 Type	Week	\$ 4,408.00
M0698	Tracked Excavator Cat 225 Type	Month	\$ 14,225.00
M0699	Tracked Loader Cat 931 Type	Day	\$ 734.00
M0700	Tracked Loader Cat 931 Type	Week	\$ 2,806.00
M0701	Tracked Loader Cat 931 Type	Month	\$ 9,103.00
M0702	Tracked Loader Cat 943 Type	Day	\$ 796.00
M0703	Tracked Loader Cat 943 Type	Week	\$ 3,137.00
M0704	Tracked Loader Cat 943 Type	Month	\$ 11,506.00

## 1289 PROGRAM TASK DESCRIPTIONS

CODE	MATERIAL	UNIT TYPE	UNIT RATE
M0705	Tracked Loader Cat 953 Type	Day	\$ 860.00
M0706	Tracked Loader Cat 953 Type	Week	\$ 3,314.00
M0707	Tracked Loader Cat 953 Type	Month	\$ 11,700.00
M0708	Tracked Loader Cat 963 Type	Day	\$ 1,000.00
M0709	Tracked Loader Cat 963 Type	Week	\$ 3,505.00
M0710	Tracked Loader Cat 963 Type	Month	\$ 12,663.00
M0711	Trencher - Chain Boom Type 15 hp - walking	Day	\$ 340.00
M0712	Trencher - Chain Boom Type 15 hp - walking	Week	\$ 1,667.00
M0713	Trencher - Chain Boom Type 15 hp - walking	Month	\$ 6,145.00
M0714	Trencher - Chain Boom Type 20 hp - walking	Day	\$ 407.00
M0715	Trencher - Chain Boom Type 20 hp - walking	Week	\$ 1,971.00
M0716	Trencher - Chain Boom Type 20 hp - walking	Month	\$ 7,139.00
M0717	Wheeled Loader Cat 910 Type	Day	\$ 641.00
M0718	Wheeled Loader Cat 910 Type	Week	\$ 2,463.00
M0719	Wheeled Loader Cat 910 Type	Month	\$ 8,758.00
M0720	Wheeled Loader Cat 916 Type	Day	\$ 702.00
M0721	Wheeled Loader Cat 916 Type	Week	\$ 2,700.00
M0722	Wheeled Loader Cat 916 Type	Month	\$ 9,394.00
M0723	Wheeled Loader Cat 936 Type	Day	\$ 841.00
M0724	Wheeled Loader Cat 936 Type	Week	\$ 3,241.00
M0725	Wheeled Loader Cat 936 Type	Month	\$ 10,834.00
M0726	Wheeled Loader Cat 950 Type	Day	\$ 952.00
M0727	Wheeled Loader Cat 950 Type	Week	\$ 3,361.00
M0728	Wheeled Loader Cat 950 Type	Month	\$ 11,904.00